REFERENCE

NBS TECHNICAL NOTE 597

# Tabulation of Data on Semiconductor Amplifiers and Oscillators at Microwave Frequencies

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Maurice H. Stans, Secretary
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# NBS TECHNICAL NOTE 597

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## Tabulation of Data on Semiconductor Amplifiers and Oscillators at Microwave Frequencies

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# FOREWORD

This tabulation of data on semiconductor amplifiers and oscillators at microwave frequencies has been prepared by the National Bureau of Standards Electron Devices Data Service. Established in 1948 to provide technical data on electron tubes to members of the Bureau staff, the service has since been extended to include other scientists and engineers in government and industry. In the course of the program, a large volume of information on electron tubes and semiconductor devices has been accumulated. In order to make this information more readily available, a system was devised for automatically tabulating the data in handbook form. Present tabulations include Tabulation of Data on Microwave Tubes, NBS Handbook 104 (1967); Tabulation of Data on Receiving Tubes, NBS Handbook 103 (1967); Tabulation of Data on East European Electron Devices, NBS Report 9925 (1968); and Tabulation of Published Data on Soviet Electron Devices Through March 1970, NBS Technical Note 526, presently being updated.

All the included information has been taken from the manufacturers technical specifications, and every effort has been made to ensure accuracy and completeness. However, the Bureau cannot assume responsibility for omissions nor for results obtained with these data.

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# TABULATION OF DATA ON SEMICONDUCTOR AMPLIFIERS AND OSCILLATORS AT MICROWAVE FREQUENCIES

Charles P. Marsden

This tabulation includes some of the basic characteristics of semiconductor microwave devices, specifically amplifiers and oscillators of foreign and domestic origin.

*Key Words:* Amplifiers; basic characteristics; microwave; oscillators; semiconductor; solid state.

## 1. INTRODUCTION

With the increased use of semiconductor microwave devices as supplements to microwave tubes, it has become apparent that a listing of basic characteristics of such devices would assist the potential user in his selection of a device to fulfill his requirements. The listing includes typical devices offered by the manufacturers. Since a great number of these devices are custom-made, it would not be feasible to include every type known to be available, but rather, we have endeavored to tabulate data on off-the-shelf items as supplied by the various manufacturers.

Almost any electrical or mechanical variant of a basic design will be provided according to customer specifications since the present state of the production art encourages custom-made devices. For this reason it should be kept in mind that this tabulation is meant to serve only as a guide in the preliminary selection of semiconductor microwave devices. For most applications technical assistance from the manufacturer will be necessary regarding mechanical modifications and changes in electrical parameters.

The tabulation contains the basic electrical and mechanical characteristics of semiconductor microwave devices, specifically those devices categorized as amplifiers and oscillators. Some applications for these devices include telemetry, radar, communications and satellite systems, or other applications requiring small sized, light-weight devices capable of withstanding extremes of such environmental parameters as temperature, acceleration, etc.

## 2. ORGANIZATION OF THE TABULATION

The semiconductor microwave devices tabulation consists of two principal sections as follows:

(1) Alphabetical-Numerical Listing of devices by type number.

(2) Characteristic Listing by device type (amplifier, oscillator, and multiplier), center frequency, and power output in that order.

## 3. EXPLANATION OF THE CODE

Definitions of terms and explanation of the code used in the tabulation follow.

### 3.1. Code Terminology

The Alphabetical-Numerical Listing and the Characteristic Listing are in tabular form, consisting of 14 primary columns. The headings of these columns and their meanings are given below.

A blank in any column indicates that the characteristic designated by that column heading is not applicable to the device in question, or that no value was given in the available data.

*Type Number* - The alphabetical-numerical designation assigned by the manufacturer.

*Device Type* - A three-letter code describing the application and/or structure as indicated by the manufacturer.

| | | | |
|---|---|---|---|
| ADO | Avalanche Diode Oscillator | OSX | Crystal Controlled Oscillator |
| AMM | Amplifier/Multiplier | PAR | Parametric Amplifier |
| AMP | Amplifier | PRE | Preamplifier |
| CSO | Cavity-Stablized Oscillator | TDA | Tunnel-Diode Amplifier |
| GOS | Gunn-Effect Oscillator | TOM | Transistor Oscillator and Multiplier |
| IPO | Impatt Oscillator | | |
| MIA | Mixer and Amplifier | TRA | Transistor Amplifier |
| MUL | Multiplier | VTO | Varactor Tuned Oscillator |
| OSC | Oscillator | YTO | Yig Tuned Oscillator |

*Frequency* - Both minimum and maximum frequency of operation in gigahertz. Only devices having a minimum frequency of operation above 0.2 GHz have been included in this tabulation.

* indicates that the tabulated value is the center frequency or a center frequency is preselected in the range shown.

*Tuning Method* - The method of frequency tuning is indicated by the following code:

FX Fixed Tuned.

MC Mechanically Tuned.

ME Mechanically and Electrically Tuned.

VT Voltage Tuned.

YT Yig Tuned.

*Bandwidth* - The frequency difference in MHz between half-power points for amplifier devices or the tuning range for oscillator devices.

*Power Requirements* - Typical voltage in volts and maximum current in mA.

*Power Output* - The minimum CW output in mW.

\# Minimum pulsed power output in mW.

* Power output is in dBm.

W The unit of Power Output is changed from mW to watts.

*Gain* - The minimum gain for amplifiers in dB.

*NF* - The maximum noise figure in dB.

*Operating Temperature* - The stated permissible ambient temperatures in degrees Fahrenheit with in which the device operates.

*Volume* - The typical volume of the device in cubic inches (excluding connectors).

*Weight* - The weight in ounces of the device which may or may not include connectors.

*Coupling* -

CO Coaxial.

WG Wave Guide.

*Manufacturer -*

AC Acrodyne Industries Inc.
666 Davisville Road
Willow Grove, Pa. 19090

AI Alpha Industries, Inc.
20 Sylvan Rd.
Woburn, Mass. 01801

AK Altek Corp.
11700 Old Columbia Pike
Silver Spring, Md. 20904

AL American Electronic Labs., Inc.
Colmar, Pa. 18915

AP Applied Technology
3410 Hillview Avenue
Stanford Industrial Park
Palo Alto, Cal. 94304

AR Applied Research, Inc.
76 South Bayles Avenue
Port Washington, N.Y. 11050

AT Airtron
Div. of Litton Industries
200 East Hanover Avenue
Morris Plains, N.J. 07950

AV Avantek, Inc.
2981 Copper Road
Santa Clara, Cal. 95051

CL Centilabs Corp.
2455 Old Middlefield Way
Mountain View, Cal. 94040

EF Emf Systems, Inc.
P.O. Box 1109
State College, Pa. 16801

EM E & M Laboratories
5388 Sterling Center Drive
Westlake Village, Cal. 91360

FR Frequency Sources, Inc.
Kennedy Drive
P.O. Box 159
North Chelmsford, Mass. 01863

FS Fairchild Microwave and Opto-electronics Div.
2513 Charleston Road
Mountain View, Cal. 94040

GC General Electric Co., Ltd.
The M-O Valve Co. LTD
Brook Green Works, Hammersmith
London W6, England

GR Greenway Industries, Inc.
840 West Church Road
Mechanicsburg, Pa. 17055

IM International Microwave Corp.
33 River Road
Cos Cob, Conn. 06807

IS Intradyne Systems, Inc.
1261 Birchwood Drive
Sunnyvale, Cal. 94086

MA Microwave Associates Inc.
Burlington, Mass. 01803

ME Mu-del Electronics Inc.
2426 Linden Lane
Silver Spring, Md. 20910.

MM Micromega Div.
Bunker Ramo Corp.
12575 Beatrice St.
Los Angeles, Cal. 90066

MP Microwave Products Group Inc.
Gage Laboratories, Inc.
100 Express St.
Plainview, L.I., N.Y. 11803

MQ Miteq
100 Ricefield Lane
Hauppauge, N.Y. 11787

MS Micro State Electronics Corp.
Subsidiary of Raytheon Corp.
130 Second Avenue
Waltham, Mass. 02154

OK OKI Electronics of Am., Inc.
The OKI Bldg.
500/506 S.E. 24th St.
Fort Lauderdale, Fla. 33316

OP Optimax, Inc.
P.O. Box 105
Colmar, Pa. 18915

OS Omni Spectra, Inc.
253 S. Hinton Avenue
Scottsdale, Ariz. 85251

PE Physical Electronics Labs.
1185 O'Brien Drive
Menlo Park, Cal. 94025

RC Radio Corporation of America
Electronics Components
Harrison, N.J. 07029

RH RHG Electronics Labs., Inc.
94 Milbar Blvd.
Farmington, L.I., N.Y. 11735

SA Sanders Associates, Inc.
P.O. Box 907
Nashua, N.H. 03060

SC Spectra-Microwave, Inc.
915 Linda Vista Avenue
Mountain View, Cal. 94040

SK Spacekom, Inc.
P.O. Box 10
Goleta, Cal. 93017

SP Sperry Rand Corporation
Sperry Microwave Electronics
P.O. Box 4648
Clearwater, Fla. 33518

TR Trak Microwave Corporation
4726 Eisenhower Blvd.
Tampa, Fla. 33614

VA Varian Associates Inc.
Solid State Division
Salem Road
Beverly, Mass. 01915

WJ Watkins-Johnson Co.
3333 Hilview Avenue
Stanford Industrial Park
Palo Alto, Cal. 94304

ZL Zeta Laboratories
616 National Avenue
Mountain View, Cal. 94040

# 4. ALPHABETICAL-NUMERICAL LISTING

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.³ | Oz. | | |
| A52D2 | AMP | 0.5 | 1.0 | | | 24 | 280 | *+20 | 30 | 6 | 54 | 70 | <10 | 12.0 | CO | OP |
| A154N | AMP | 1.4 | 1.5 | | | 24 | | *+15 | 25 | <5 | 54 | 70 | <10 | 12.0 | CO | OP |
| A172N | AMP | 1.7 | 1.7 | | | 24 | | *+10 | 25 | <6 | 54 | 71 | <10 | 12.0 | CO | OP |
| A185N | AMP | 1.7 | 1.9 | | | 24 | | *+10 | 25 | <6 | 54 | 71 | <10 | 12.0 | CO | OP |
| A230N | AMP | 2.2 | 2.3 | | | 24 | | *+10 | 25 | 6 | 54 | 71 | <10 | 12.0 | CO | OP |
| A-230-17-5 | AMP* | <0.3 | | | | 28 | | 5 | 17 | <3 | 55 | 70 | 2 | | CO | MP |
| A-230-30-10 | AMP* | <0.3 | | | | 28 | | 10 | 30 | <3 | 55 | 70 | 5 | | CO | MP |
| A-230-50-1C | AMP* | <0.3 | | | | 28 | | 100 | 50 | <3 | 55 | 70 | 9 | | CO | MP |
| A-230-50-1K | AMP | <0.3 | | | | 28 | | 1000 | 50 | <3 | 55 | 70 | 8 | | CO | MP |
| A-230-90-1C | AMP* | <0.3 | | | | 28 | | 100 | 90 | <3 | 55 | 70 | 9 | | CO | MP |
| A251D2 | AMP | 0.3 | 0.5 | | | 24 | | *+20 | 30 | 5 | 54 | 71 | 16 | 12.0 | CO | OP |
| A251D4 | AMP | 0.3 | 1.0 | | | 24 | 210 | *+10 | 25 | 8 | 54 | 71 | <10 | 12.0 | CO | OP |
| A-405-17-5 | AMP* | <0.5 | | | | 28 | | 5 | 17 | <3 | 55 | 70 | 2 | | CO | MP |
| A-405-30-10 | AMP* | <0.5 | | | | 28 | | 10 | 30 | <3 | 55 | 70 | 5 | | CO | MP |
| A-405-50-1C | AMP* | <0.5 | | | | 28 | | 100 | 50 | <3 | 55 | 70 | 5 | | CO | MP |
| A-405-50-1K | AMP* | <0.5 | | | | 28 | | 1000 | 50 | <3 | 55 | 70 | 8 | | CO | MP |
| A-405-90-1C | AMP* | <0.5 | | | | 28 | | 100 | 90 | <3 | 55 | 70 | 9 | | CO | MP |
| A-450-17-5 | AMP* | <0.5 | | | | 28 | | 5 | 17 | <3 | 55 | 70 | 2 | | CO | MP |
| A-450-30-10 | AMP* | <0.5 | | | | 28 | | 10 | 30 | <3 | 55 | 70 | 5 | | CO | MP |
| A-450-50-1C | AMP* | <0.5 | | | | 28 | | 100 | 50 | <3 | 55 | 70 | 5 | | CO | MP |
| A-450-50-1K | AMP* | <0.5 | | | | 28 | | 1000 | 50 | <3 | 55 | 70 | 8 | | CO | MP |
| A-450-90-1C | AMP* | <0.5 | | | | 28 | | 100 | 90 | <3 | 55 | 70 | 9 | | CO | MP |
| A551D2 | AMP | 0.6 | 1.1 | | | 24 | 300 | *+20 | 25 | 6 | 54 | 71 | 16 | 12.0 | CO | OP |
| A-750-17-1 | AMP* | <0.8 | | | | 28 | | 1 | 17 | <3 | 55 | 70 | 5 | | CO | MP |
| A-750-30-10 | AMP* | <0.8 | | | | 28 | | 10 | 30 | <3 | 55 | 70 | 5 | | CO | MP |
| A-750-50-1C | AMP* | <0.8 | | | | 28 | | 100 | 50 | <3 | 55 | 70 | 9 | | CO | MP |
| A-750-50-10 | AMP* | <0.8 | | | | 28 | | 10 | 50 | <3 | 55 | 70 | 9 | | CO | MP |
| A-750-90-50 | AMP* | <0.8 | | | | 28 | | 50 | 90 | <3 | 55 | 70 | 9 | | CO | MP |
| A-870-17-1 | AMP* | <0.9 | | | | 28 | | 1 | 17 | <4 | 55 | 70 | 5 | | CO | MP |
| A-870-30-10 | AMP* | <0.9 | | | | 28 | | 10 | 30 | <4 | 55 | 70 | 5 | | CO | MP |
| A-870-50-1C | AMP* | <0.9 | | | | 28 | | 100 | 50 | <4 | 55 | 70 | 9 | | CO | MP |
| A-870-50-10 | AMP* | <0.9 | | | | 28 | | 10 | 50 | <4 | 55 | 70 | 9 | | CO | MP |
| A-870-90-50 | AMP* | <0.9 | | | | 28 | | 50 | 90 | <4 | 55 | 70 | 9 | | CO | MP |
| A-995-17-1 | AMP* | <1.0 | | | | 28 | | 1 | 17 | 4 | 55 | 70 | 5 | | CO | MP |
| A-995-30-10 | AMP* | <1.0 | | | | 28 | | 10 | 30 | 4 | 55 | 70 | 5 | | CO | MP |
| A-995-50-1C | AMP* | <1.0 | | | | 28 | | 100 | 50 | 4 | 55 | 70 | 9 | | CO | MP |
| A-995-50-10 | AMP* | <1.0 | | | | 28 | | 10 | 50 | 4 | 55 | 70 | 9 | | CO | MP |
| A-995-90-50 | AMP* | <1.0 | | | | 28 | | 50 | 90 | 4 | 55 | 70 | 9 | | CO | MP |
| A-1090-17-1 | AMP* | <1.1 | | | | 28 | | 1 | 17 | 4 | 55 | 70 | 5 | | CO | MP |
| A-1090-30-10 | AMP* | <1.1 | | | | 28 | | 10 | 30 | 4 | 55 | 70 | 5 | | CO | MP |
| A-1090-50-1C | AMP* | <1.1 | | | | 28 | | 100 | 50 | 4 | 55 | 70 | 9 | | CO | MP |
| A-1090-50-10 | AMP* | <1.1 | | | | 28 | | 10 | 50 | 4 | 55 | 70 | 9 | | CO | MP |
| A-1090-90-50 | AMP* | <1.1 | | | | 28 | | 50 | 90 | 4 | 55 | 70 | 9 | | CO | MP |
| A-1485-17-1 | AMP* | <1.5 | | | | 28 | | 1 | 17 | <6 | 55 | 70 | 5 | | CO | MP |
| A-1485-30-10 | AMP* | <1.5 | | | | 28 | | 10 | 30 | <6 | 55 | 70 | 5 | | CO | MP |
| A-1485-50-1C | AMP* | <1.5 | | | | 28 | | 100 | 50 | <6 | 55 | 70 | 9 | | CO | MP |
| A-1485-50-10 | AMP* | <1.5 | | | | 28 | | 10 | 50 | <6 | 55 | 70 | 9 | | CO | MP |
| A-1485-90-50 | AMP* | <1.5 | | | | 28 | | 50 | 90 | <6 | 55 | 70 | 9 | | CO | MP |
| A2004/1 | AMP | 0.5 | 2.0 | | 150 | | | | 20 | | 20 | 65 | | | CO | AC |
| A-2451 | AMP | 0.2 | 0.5 | | 15 | 28 | | 75W | 30 | | | 71 | 21 | 20.0 | CO | AC |
| ACC SERIES | TRA | 1.2 | 2.7 | | 100 | 12 | | | 10 | 7 | 20 | 71 | | | CO | IM |
| ACG SERIES | TRA | 1.2 | 2.8 | | 100 | 12 | | | 10 | 6 | 20 | 71 | | | CO | IM |
| ACH SERIES | TRA | 1.2 | 2.8 | | 100 | 24 | | | 10 | 6 | 20 | 71 | | | CO | IM |
| ACP SERIES | TDA | 1.7 | 18.0 | | 100 | | | 50 | 10 | 5 | | | | | CO | IM |
| ACP-1850 | TDA | 1.7 | 2.0 | FX | 300 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 26 | | CO | IM |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| ACP-2150 | TDA | 2.0 | 2.3 | FX | 300 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 26 | | CO | IM |
| ACP-2450 | TDA | 2.3 | 2.6 | FX | 300 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 26 | | CO | IM |
| ACP-2600 | TDA | 2.4 | 2.8 | FX | 400 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 26 | | CO | IM |
| ACP-2800 | TDA | 2.6 | 3.0 | FX | 400 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 26 | | CO | IM |
| ACP-3000 | TDA | 2.8 | 3.2 | FX | 400 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 13 | | CO | IM |
| ACP-3300 | TDA | 3.0 | 3.6 | FX | 600 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 13 | | CO | IM |
| ACP-3600 | TDA | 3.3 | 3.9 | FX | 600 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 13 | | CO | IM |
| ACP-3950 | TDA | 3.6 | 4.3 | FX | 700 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 13 | | CO | IM |
| ACP-4300 | TDA | 4.0 | 4.7 | FX | 700 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 13 | | CO | IM |
| ACP-4650 | TDA | 4.3 | 5.0 | FX | 700 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| ACP-5000 | TDA | 4.7 | 5.3 | FX | 600 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| ACP-5300 | TDA | 5.0 | 5.6 | FX | 600 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| ACP-5600 | TDA | 5.3 | 5.9 | FX | 600 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| ACP-5900 | TDA | 5.6 | 6.3 | FX | 700 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| ACP-6300 | TDA | 5.9 | 6.7 | FX | 800 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| ACP-6700 | TDA | 6.3 | 7.1 | FX | 800 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| ACP-7100 | TDA | 6.7 | 7.5 | FX | 800 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 6 | | CO | IM |
| ACP-7900 | TDA | 7.5 | 8.3 | FX | 800 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 6 | | CO | IM |
| ACP-8650 | TDA | 7.9 | 9.4 | FX | 15H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 6 | | CO | IM |
| ACP-9400 | TDA | <8.7 | 10.2 | FX | 15H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 2 | | CO | IM |
| ACP-10000 | TDA | 9.4 | 10.6 | FX | 12H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 2 | | CO | IM |
| ACP-10600 | TDA | 10.0 | 11.2 | FX | 12H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 2 | | CO | IM |
| ACP-11200 | TDA | 10.6 | 11.8 | FX | 12H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 2 | | CO | IM |
| ACP-11800 | TDA | 11.2 | 12.4 | FX | 12H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 2 | | CO | IM |
| ACP-12400 | TDA | 11.8 | 13.0 | FX | 12H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 2 | | CO | IM |
| ACP-13000 | TDA | 12.0 | 14.0 | FX | 20H | 24 | 15 | *-29 | 10 | 6 | 10 | 71 | 2 | | CO | IM |
| ACP-14000 | TDA | 13.0 | 15.0 | FX | 20H | 24 | 15 | *-29 | 10 | 6 | 10 | 71 | 2 | | CO | IM |
| ACP-15000 | TDA | 14.0 | 16.0 | FX | 20H | 24 | 15 | *-29 | 10 | 6 | 10 | 71 | 2 | | CO | IM |
| ACP-16000 | TDA | 15.0 | 17.0 | FX | 20H | 24 | 15 | *-29 | 10 | 6 | 10 | 71 | 2 | | CO | IM |
| ACP-17000 | TDA | 16.0 | 18.0 | FX | 20H | 24 | 15 | *-29 | 10 | 6 | 10 | 71 | 2 | | CO | IM |
| ACP-18000 | TDA | 17.0 | 19.0 | FX | 20H | 24 | 15 | *-29 | 10 | 6 | 10 | 71 | 2 | | CO | IM |
| ACS SERIES | TRA | 1.2 | 2.8 | | 100 | 24 | | | 10 | 8 | 55 | 85 | | | CO | IM |
| AD-10 SERIES | IPD | 8.2 | 12.4 | MC | 250 | -95 | 40 | 250 | | | 30 | 70 | 2 | 6.0 | | OK |
| ADC-10A | IPD | 8.2 | 12.4 | MC | 500 | 95 | 40 | 60 | | | 30 | 70 | | | CO | OK |
| ADC-10B | IPD | 8.2 | 12.4 | MC | 500 | 95 | 40 | 100 | | | 30 | 70 | | | CO | OK |
| ADC-10C | IPD | 8.2 | 12.4 | MC | 500 | 95 | 40 | 150 | | | 30 | 70 | | | CO | OK |
| ADC-10D | IPD | 8.2 | 12.4 | MC | 500 | 95 | 40 | 250 | | | 30 | 70 | | | CO | OK |
| ADS-10A | IPD | 8.2 | 12.4 | MC | 500 | 95 | 40 | 60 | | | 30 | 70 | | | WG | OK |
| ADS-10B | IPD | 8.2 | 12.4 | MC | 500 | 95 | 40 | 100 | | | 30 | 70 | | | WG | OK |
| ADS-10C | IPD | 8.2 | 12.4 | MC | 500 | 95 | 40 | 150 | | | 30 | 70 | | | WG | OK |
| ADS-10D | IPD | 8.2 | 12.4 | MC | 500 | 95 | 40 | 250 | | | 30 | 70 | | | WG | OK |
| ADW-10A | IPD | 8.2 | 12.4 | MC | 500 | 95 | 40 | 60 | | | 30 | 70 | | | WG | OK |
| ADW-10B | IPD | 8.2 | 12.4 | MC | 500 | 95 | 40 | 100 | | | 30 | 70 | | | WG | OK |
| ADW-10C | IPD | 8.2 | 12.4 | MC | 500 | 95 | 40 | 150 | | | 30 | 70 | | | WG | OK |
| ADW-10D | IPD | 8.2 | 12.4 | MC | 500 | 95 | 40 | 250 | | | 30 | 70 | | | WG | OK |
| AF036 | OSC | 3.6 | 3.9 | MC | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF036H | OSC | 3.6 | 3.9 | | | 20 | 300 | 50 | | | 30 | 60 | 9 | | CO | AT |
| AF038 | OSC | >3.8 | 4.2 | MC | | 30 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF038H | OSC | >3.8 | 4.2 | | | 20 | 300 | 50 | | | 30 | 60 | 9 | | CO | AT |
| AF041 | OSC | 4.1 | 4.4 | MC | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF041H | OSC | 4.1 | 4.4 | | | 20 | 300 | 50 | | | 30 | 60 | 9 | | CO | AT |
| AF043 | OSC | >4.3 | >4.9 | MC | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF043H | OSC | >4.3 | >4.9 | | | 20 | 300 | 50 | | | 30 | 60 | 9 | | CO | AT |
| AF054 | OSC | 5.4 | 5.9 | MC | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF054H | OSC | 5.4 | 5.9 | | | 20 | 300 | 50 | | | 30 | 60 | 9 | | CO | AT |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| AF058 | OSC | >5.8 | >6.4 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF058H | OSC | >5.8 | >6.4 | | | 20 | 300 | 50 | | | 30 | 60 | | | CO | AT |
| AF064 | OSC | >6.4 | >6.9 | | | 20 | 150 | 50 | | | 30 | 60 | 9 | | CO | AT |
| AF064H | OSC | >6.4 | >6.9 | | | 20 | 300 | 50 | | | 30 | 60 | 9 | | CO | AT |
| AF068 | OSC | 6.8 | 7.2 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF070 | OSC | 7.0 | >7.5 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF075 | OSC | 7.5 | 8.0 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF079 | OSC | <8.0 | 8.5 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF0106 | OSC | >10.6 | >11.2 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF0112 | OSC | 11.2< | 11.8 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF0115 | OSC | >11.6> | 12.2 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF0121 | OSC | >12.1 | 12.7 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF0126 | OSC | >12.6> | 13.2 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF0131 | OSC | >13.1< | 13.8 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF0136 | OSC | >13.6> | 14.2 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| ALN115 | AMP | 1.4 | 1.5 | | | 20 | 30 | *0 | 25 | <5 | | | <10 | 8.3 | CO | OP |
| ALN120 | AMP | 1.0 | 2.0 | | | 20 | 30 | *-10 | 25 | 6 | | | <10 | 8.3 | CO | OP |
| ALN150 | AMP | 1.0 | 1.5 | | | 20 | 30 | *5 | 25 | <6 | | | <10 | 8.3 | CO | OP |
| ALN204 | AMP | 0.2 | 0.4 | | | 20 | 30 | *5 | 25 | 4 | | | <10 | 8.3 | CO | OP |
| ALN223 | AMP | 2.2 | 2.3 | | | 20 | 30 | *0 | 25 | <6 | | | <10 | 8.3 | CO | OP |
| ALN255 | AMP | 0.3 | 0.5 | | | 20 | 30 | *5 | 25 | 4 | | | <10 | 8.3 | CO | OP |
| ALN306 | AMP | 0.3 | 0.6 | | | 20 | 30 | *5 | 25 | <5 | | | <10 | 8.3 | CO | OP |
| ALN408 | AMP | 0.4 | 0.8 | | | 20 | 30 | *5 | 25 | <5 | | | <10 | 8.3 | CO | OP |
| ALN459 | AMP | 0.5 | 0.9 | | | 20 | 30 | *5 | 25 | <5 | | | <10 | 8.3 | CO | OP |
| ALN501 | AMP | 0.5 | 1.0 | | | 20 | 30 | *5 | 25 | 5 | | | <10 | 8.3 | CO | OP |
| ALN511 | AMP | 0.6 | 1.1 | | | 20 | 30 | *5 | 25 | <6 | | | <10 | 8.3 | CO | OP |
| ALN790 | AMP | 0.7 | 0.9 | | | 20 | 30 | *5 | 25 | <5 | | | <10 | 8.3 | CO | OP |
| ALN812 | AMP | 0.8 | 1.3 | | | 20 | 30 | *5 | 25 | 5 | | | <10 | 8.3 | CO | OP |
| AM1540N | TRA | >1.4 | >1.5 | | | 15 | 50 | *+8 | 30 | <5 | | | | | | AV |
| AM-1542N | TRA | >1.4 | >1.5 | | | 15 | 35 | *+8 | 20 | <5 | | | | | | AV |
| AM-1600N | TRA | <1.5 | <1.7 | | | 15 | 50 | *+10 | 30 | 4 | | | | | | AV |
| AM-2000N | TRA | 1.0 | 2.0 | | | 15 | 50 | *+10 | 25 | <6 | | | | | | AV |
| AM-2002N | TRA | 1.0 | 2.0 | | | 15 | 65 | *+10 | 32 | <6 | | | | | | AV |
| AM-2050N | TRA | 1.0 | 2.0 | | | 15 | 50 | *+10 | 27 | <5 | | | | | | AV |
| AM-2600N | TRA | 1.0 | 2.6 | | | 15 | 70 | *+8 | 35 | 6 | | | | | | AV |
| AM-4000N | TRA | 2.0 | 4.0 | | | 15 | 75 | *+7 | 28 | 9 | 54 | 95 | | 9.0 | | AV |
| AM-4001N | TRA | 2.0 | 4.0 | | | 15 | 85 | *+7 | 33 | 9 | | | | | | AV |
| AM-4002N | TRA | 2.0 | 4.0 | | | 15 | 70 | *+7 | 23 | 9 | | | | | | AV |
| AM-4050N | TRA | 2.0 | 4.0 | | | 15 | 75 | *+7 | 29 | <8 | | | | | | AV |
| AM-4051N | TRA | 2.0 | 4.0 | | | 15 | 85 | *+7 | 34 | <8 | | | | | | AV |
| AM-4052N | TRA | 2.0 | 4.0 | | | 15 | 70 | *+7 | 24 | <8 | | | | | | AV |
| AM-4053N | TRA | 2.0 | 4.0 | | | 15 | 90 | *+7 | 38 | <8 | | | | | | AV |
| AMP1000N | TRA | 1.0 | 2.0 | | | 15 | 60 | *+7 | 25 | 6 | | 85 | 10 | 14.0 | | AV |
| AMP1500N | TRA | 0.5 | 1.5 | | | 15 | 60 | *+8 | 25 | 8 | | | | | | AV |
| AMP-2000N | TRA | 1.0 | 2.0 | | | 15 | 165 | *+20 | 30 | 7 | | | 13 | 16.0 | CO | AV |
| AMP2400N | TRA | 1.4 | 2.4 | | | 15 | 200 | *+20 | 30 | <8 | | | 13 | | CO | AV |
| AMP2401N | TRA | 1.4 | 2.4 | | | 15 | 110 | *+15 | 26 | <8 | | | 13 | | CO | AV |
| AMP2402N | TRA | 1.4 | 2.4 | | | 15 | 90 | *+20 | 6 | 15 | | | <6 | | CO | AV |
| AMP2600N | TRA | 1.0 | 2.6 | | | 15 | 75 | *+6 | 30 | <8 | | 85 | 10 | | | AV |
| AMT1001 | TRA | 0.1 | 1.0 | | | 15 | 13 | *+3 | 14 | <5 | | | 1 | 3.5 | CO | AV |
| AMT1002 | TRA | 0.1 | 1.0 | | | 15 | 23 | *+6 | 14 | 5 | | | 1 | 3.5 | CO | AV |
| AMT1003 | TRA | 0.1 | 1.0 | | | 15 | 36 | *+6 | 28 | <5 | | | 1 | 3.5 | CO | AV |
| AMT1004 | TRA | 0.1 | 1.0 | | | 15 | 59 | *+6 | 42 | <5 | | | 2 | 6.3 | CO | AV |
| AMT1005 | TRA | 0.1 | 1.0 | | | 15 | 82 | *+6 | 56 | <5 | | | 2 | 6.3 | CO | AV |
| AMT2001 | TRA | 0.1 | 2.0 | | | 15 | 13 | *+2 | 9 | <7 | | | 1 | 3.5 | CO | AV |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| AMT2002 | TRA | 0.1 | 2.0 | | | 15 | 23 | *+5 | 9 | <8 | | | 1 | 3.5 | CO | AV |
| AMT2003 | TRA | 0.1 | 2.0 | | | 15 | 36 | *+5 | 18 | <7 | | | 1 | 3.5 | CO | AV |
| AMT2004 | TRA | 0.1 | 2.0 | | | 15 | 59 | *+5 | 26 | <7 | | | 1 | 3.5 | CO | AV |
| AMT2005 | TRA | 0.1 | 2.0 | | | 15 | 82 | *+5 | 34 | <7 | | | 2 | 6.3 | CO | AV |
| AMT2006 | TRA | 0.1 | 2.0 | | | 15 | 105 | *+5 | 42 | <7 | | | 2 | 6.3 | CO | AV |
| AMT2007 | TRA | 0.1 | 2.0 | | | 15 | 128 | *+5 | 50 | <7 | | | 2 | 6.3 | CO | AV |
| AMT-2013 | TRA | 1.0 | 2.0 | | | 15 | 30 | *+6 | 17 | <6 | | | 1 | 3.5 | CO | AV |
| AMT-2014 | TRA | 1.0 | 2.0 | | | 5 | 50 | *+6 | 25 | <6 | | | 1 | 3.5 | CO | AV |
| AMT-2015 | TRA | 1.0 | 2.0 | | | 15 | 70 | *+6 | 34 | <6 | | | <2 | 6.3 | CO | AV |
| AMT2300 | AMP | 2.0 | 4.0 | | | 15 | 23 | *+6 | 15 | <6 | | | | | CO | AV |
| AMT2301 | AMP | 2.0 | 4.0 | | | 15 | 50 | *+10 | 22 | <6 | | | | | CO | AV |
| AMT2302 | AMP | 2.0 | 4.0 | | | 15 | 70 | *+10 | 30 | <6 | | | | | | AV |
| AMT2303 | AMP | 2.0 | 4.0 | | | 15 | 90 | *+10 | 38 | <6 | | | | | | AV |
| AMT-4002 | TRA | 2.0 | 4.0 | | | 15 | 40 | *+4 | <10 | 10 | | | 1 | 3.5 | CO | AV |
| AMT-4003 | TRA | 2.0 | 4.0 | | | 15 | 60 | *+4 | 14 | 10 | | | 1 | 3.5 | CO | AV |
| AMT-4005 | TRA | 2.0 | 4.0 | | | 15 | 100 | *+10 | 23 | 10 | | | <2 | 6.3 | CO | AV |
| AMT-4004 | TRA | 2.0 | 4.0 | | | 15 | 80 | *+4 | 19 | 10 | | | <2 | 6.3 | CO | AV |
| AMT-4006 | TRA | 2.0 | 4.0 | | | 15 | 120 | *+10 | 28 | 10 | | | <2 | 6.3 | CO | AV |
| AMT-4007 | TRA | 2.0 | 4.0 | | | 15 | 140 | *+10 | 32 | 10 | | | 2 | 9.0 | CO | AV |
| AMT-4008 | TRA | 2.0 | 4.0 | | | 15 | 160 | *+10 | 37 | 10 | | | 2 | 9.0 | CO | AV |
| AP-20T | TRA | 0.2 | 0.4 | | | 24 | 250 | *+20 | 30 | <7 | | | | | | AV |
| AP-25T | TRA | <0.3 | 0.5 | | | 24 | 250 | *+20 | 30 | <7 | | | | | | AV |
| AP255 | AMP | <0.3 | 0.5 | | | 115 | | *0 | 27 | <3 | | | 25 | | CO | OP |
| AP501 | AMP | 0.5 | 1.0 | | | 115 | | *+5 | 27 | 3 | | | 25 | | CO | OP |
| AP-1000T | TRA | 0.5 | 1.0 | | | 15 | 540 | *+29 | 30 | 10 | | | | | | AV |
| AP036 | OSX | 3.6 | 3.9 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP036H | OSX | 3.6 | 3.9 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| AP038 | OSX | >3.8 | 4.1 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP038H | OSX | >3.8 | 4.1 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| AP041 | OSX | 4.1 | 4.4 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP041H | OSX | 4.1 | 4.4 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| AP043 | OSX | >4.3 | >4.9 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP043H | OSX | >4.3 | >4.9 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| AP054 | OSX | 5.4 | 5.9 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP054H | OSX | 5.4 | 5.9 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| AP058 | OSX | >5.8 | >6.4 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP058H | OSX | >5.8 | >6.4 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| AP064 | OSX | >6.4 | >6.9 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP064H | OSX | >6.4 | >6.9 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| AP068 | OSX | 6.8 | 7.2 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP070 | OSX | 7.0 | >7.5 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP075 | OSX | 7.5 | 8.0 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP079 | OSX | <8.0 | 8.5 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP0106 | OSX | >10.6 | >11.2 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP0112 | OSX | 11.2 | <11.8 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP0116 | OSX | >11.6 | >12.2 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP0121 | OSX | >12.1 | 12.7 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP0125 | OSX | >12.6 | >13.2 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP0131 | OSX | >13.1 | <13.8 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP0136 | OSX | >13.6 | >14.2 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AT1000N | TRA | <0.8 | <1.0 | | | 15 | 29 | *+8 | 23 | <4 | | | | | | AV |
| AV-7200 | YTO | 2.0 | 4.0 | YT | 2G | 20 | | | 25 | | 54 | 71 | | | CO | AV |
| AV-7201 | YTO | 2.0 | 4.0 | YT | 2G | 20 | | | 25 | | 0 | 65 | | | CO | AV |
| AV-7202 | YTO | 2.0 | 4.0 | YT | 2G | 20 | | | 30 | | 0 | 65 | | | CO | AV |
| AV01658 | ADO | 8.2 | 12.4 | | | 10 | 30 | | | | 25 | 50 | 1 | | | AL |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT *PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| AXO-10 | OSX | *1.0 | | | | 28 | 140 | 50 | | | 35 | 90 | | | CO | AT |
| AXO-15 | OSX | *1.5 | | | | 28 | 140 | 20 | | | 35 | 90 | | | CO | AT |
| AXO-35 | OSX | *3.5 | | | | 28 | 140 | 5 | | | 35 | 90 | | | CO | AT |
| AXO-85 | OSX | *8.5 | | | | 28 | 140 | 3 | | | 35 | 90 | | | CO | AT |
| AXO-95 | OSX | *9.5 | | | | 28 | 140 | 3 | | | 35 | 90 | | | CO | AT |
| BLN204 | AMP | 0.2 | 0.4 | | | -20 | 30 | *+5 | 25 | 3 | | | 10 | 8.2 | CO | OP |
| BLN255 | AMP | 0.3 | 0.5 | | | -20 | 30 | *+5 | 25 | 3 | | | 10 | 8.2 | CO | OP |
| BLN306 | AMP | 0.3 | 0.6 | | | -20 | 30 | *+5 | 25 | <4 | | | 10 | 8.2 | CO | OP |
| BLN408 | AMP | 0.4 | 0.8 | | | -20 | 30 | *+5 | 25 | 4 | | | 10 | 8.2 | CO | OP |
| BLN459 | AMP | 0.5 | 0.9 | | | -20 | 40 | *+5 | 25 | 4 | | | 10 | 8.2 | CO | OP |
| BLN501 | AMP | 0.5 | 1.0 | | | -20 | 30 | *+5 | 25 | 4 | | | 10 | 8.2 | CO | OP |
| BLN790 | AMP | 0.7 | 0.9 | | | -20 | 30 | *+5 | 30 | 3 | | | 10 | 8.2 | CO | OP |
| C31C20M | ADO | 5.5 | 6.5 | MC | | 100 | 25 | 100 | | | 55 | 71 | 1 | 1.5 | | SP |
| C31C25M | ADO | 5.5 | 6.5 | MC | | 100 | 70 | 250 | | | 55 | 71 | 1 | 1.5 | | SP |
| C31K13V | ADO | 12.5 | 14.0 | ME | | 90 | 20 | 20 | | | 55 | 71 | 1 | 3.0 | | SP |
| C31X20M | ADO | 8.5 | 9.0 | MC | | 100 | 25 | 100 | | | 55 | 71 | 1 | 1.5 | | SP |
| C31X20V | ADO | 9.0 | 9.3 | ME | | 100 | 35 | 100 | | | 55 | 71 | 1 | 2.0 | | SP |
| C31X20V-1 | ADO | 9.3 | 9.5 | ME | | 100 | 35 | 100 | | | +15 | 27 | 1 | 2.0 | | SP |
| C31X23V | ADO | 9.0 | 9.3 | ME | | 100 | 70 | 200 | | | 55 | 71 | 1 | 2.0 | | SP |
| C31X25M | ADO | 8.5 | 9.0 | MC | | 100 | 70 | 250 | | | 55 | 71 | 1 | 1.5 | | SP |
| C35X35F | ADO | 7.0 | 9.0 | FX | | 100 | 400 | 2000 | | | 0 | 80 | 3 | 4.0 | | SP |
| CA2040 | AMP | 0.2 | 0.4 | | | 15 | 20 | *+5 | 25 | <3 | | | 2 | 1.8 | CO | EM |
| CA2550 | AMP | 0.2 | 0.5 | | | 15 | 20 | *+5 | 25 | <3 | | | 2 | 1.8 | CO | EM |
| CA3060 | AMP | 0.3 | 0.6 | | | 15 | 20 | *+5 | 25 | <3 | | | 2 | 1.8 | CO | EM |
| CA5001 | AMP | 0.5 | 1.0 | | | 15 | 40 | *+10 | 29 | 3 | | | 2 | 1.8 | CO | EM |
| DA205 | AMP | 0.2 | 0.5 | MC | | 12 | 8 | | 10 | <5 | | | <1 | 0.7 | CO | SA |
| DA510 | AMP | 0.5 | 1.0 | MC | OCT | 15 | 28 | | 25 | 5 | | | 4 | 4.1 | CO | SA |
| DA1214 | AMP | 1.2 | 1.4 | | | -15 | 25 | | 20 | 5 | | | 10 | 16.0 | CO | SA |
| DC1850 | AMP | *1.9 | | | 20 | 28 | 2A | 15W | 12 | | 55 | 71 | 17 | 10.0 | CO | SA |
| DG623 | OSC | 2.2 | 2.3 | FX | | 30 | 375 | #2W | | | 20 | 55 | | | CO | SA |
| DG-700-C | OSC | 4.0 | 8.0 | | | 28 | 500 | 1200 | | | 55 | 75 | <5 | | CO | SA |
| DG-700-L | OSC | 1.0 | 2.0 | | | 28 | 500 | 5000 | | | 55 | 75 | <5 | | CO | SA |
| DG-700-S | OSC | 2.0 | 4.0 | | | 28 | 500 | 3000 | | | 55 | 75 | <5 | | CO | SA |
| DG-700-X | OSC | 8.0 | 10.0 | | | 28 | 500 | 400 | | | 55 | 75 | <5 | | CO | SA |
| DG716 | OSC | 0.8 | <1.5 | MC | | 15 | 35 | 10 | | | 0 | 85 | 5 | | CO | SA |
| DG717 | OSC | <1.5 | 4.0 | MC | | 15 | 35 | 5 | | | 0 | 85 | 13 | | CO | SA |
| DG718 | OSC | 4.0 | 6.0 | MC | | 15 | 35 | 5 | | | 0 | 85 | 13 | | CO | SA |
| DG720 | OSC | >1.4 | >1.5 | FX | | 28 | 350 | 2W | | | 55 | 75 | 4 | | CO | SA |
| DG729 | TOS* | >2.2 | | | | 30 | | 2W | | | 55 | 65 | | | CO | SA |
| DG736 | OSX* | >2.2 | | | | 15 | 50 | 10 | | | 35 | 65 | 5 | | CO | SA |
| DG-760-C | OSX | 4.0 | 8.0 | FX | | 28 | | 3W | | | 54 | 85 | | | CO | SA |
| DG-760-L | OSX | 1.0 | 2.0 | FX | | 28 | | 10W | | | 54 | 85 | | | CO | SA |
| DG-760-S | OSX | 2.0 | 4.0 | FX | | 28 | | 5W | | | 54 | 85 | | | CO | SA |
| DG-760-UHF | OSX | 0.3 | 1.0 | FX | | 28 | | 50W | | | 54 | 85 | | | CO | SA |
| DG-760-X | OSX | 8.0 | 10.0 | FX | | 28 | | 500 | | | 54 | 85 | | | CO | SA |
| DG782 | OSC* | <9.3 | | VT | 500 | 18 | 40 | 5 | | | 55 | 75 | <6 | 3.0 | CO | SA |
| DG787 | OSC | *3.0 | | | 500 | 28 | 50 | 50 | | | 55 | 95 | <5 | | CO | SA |
| DG788 | OSC | *5.0 | | | 1G | 28 | 50 | 10 | | | 55 | 95 | 3 | | CO | SA |
| DG789 | OSC | *9.0 | | | 1G | 28 | 50 | 5 | | | 55 | 95 | 11 | | CO | SA |
| DG790 | OSC | 2.6 | 3.2 | VT | | 26 | 150 | 500 | | | 55 | 75 | <2 | | CO | SA |
| EA-100 | AMP | 0.2 | 0.4 | | 10% | 28 | | 1W | 16 | | | | | | CO | GR |
| EA-101 | AMP | 0.4 | 0.8 | | 8% | 28 | | 1W | 16 | | | | | | CO | GR |
| EA-102 | AMP | 0.8 | 1.2 | | 6% | 28 | | 1W | 16 | | | | | | CO | GR |
| EA-103 | AMP | 1.2 | 1.6 | | 3% | 28 | | 1W | 16 | | | | | | CO | GR |
| EA-104 | AMP | 1.6 | 2.2 | | 2% | 28 | | 1W | 16 | | | | | | CO | GR |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| EA-105 | AMP | 2.2 | 3.0 | | 2% | 28 | | 1W | 16 | | | | | | CO | GR |
| EA-119 | AMP | <0.3 | 0.5 | | 2% | 28 | | 10W | 30 | | +10 | 45 | 54 | | CO | GR |
| EA-120 | AMP | <0.3 | 0.5 | | 2% | 28 | | 20W | 30 | | +10 | 45 | 54 | | CO | GR |
| EA-121 | AMP | <0.3 | 0.5 | | 2% | 28 | | 40W | 30 | | +10 | 45 | 54 | | CO | GR |
| EID9000X | MIA | *10.0 | | | 10% | 15 | 40 | *+7 | 55 | 6 | | | | | WG | EM |
| EL-101 | CSO | 1.2 | 1.6 | MC | 400 | 24 | | 10 | | | 0 | 50 | 4 | | CO | GR |
| EL-102A | CSO | 1.6 | 2.1 | MC | 500 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| EL-104 | CSO | 3.2 | 3.7 | MC | 500 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| EL-105 | CSO | 3.7 | 4.2 | MC | 500 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| EL-106 | CSO | 4.2 | 4.6 | MC | 400 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| EL-107 | CSO | 4.6 | 5.0 | MC | 400 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| EL-108A | CSO | 5.0 | 5.4 | MC | 400 | 24 | | 10 | | | 0 | 50 | 6 | | CO | GR |
| EL-109A | CSO | 5.4 | 5.9 | MC | 500 | 24 | | 10 | | | 0 | 50 | 6 | | CO | GR |
| EL-110A | CSO | 5.9 | 6.4 | MC | 500 | 24 | | 10 | | | 0 | 50 | 6 | | CO | GR |
| EL-111A | CSO | 6.4 | 6.9 | MC | 500 | 24 | | 10 | | | 0 | 50 | 6 | | CO | GR |
| EL-112A | CSO | 6.9 | 7.4 | MC | 500 | 24 | | 10 | | | 0 | 50 | 6 | | CO | GR |
| EL-125 | GOS | 8.2 | 12.0 | MC | 38H | 15 | 200 | 5 | | | 0 | 45 | 29 | | CO | GR |
| EL-130 | CSO | 0.5 | 0.8 | MC | 300 | 24 | | 10 | | | 0 | 50 | 11 | | CO | GR |
| EL-131 | CSO | 0.8 | 1.2 | MC | 400 | 24 | | 10 | | | 0 | 50 | 11 | | CO | GR |
| EL-132 | CSO | 2.1 | 2.6 | MC | 500 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| ELH-101 | GOS | 8.2 | 12.0 | MC | 38H | 28 | 700 | 5 | | | 30 | 50 | 30 | | CO | GR |
| EP-146C | OSC | 0.3 | 0.6 | VT | OCT | 24 | | 20 | | | | | 38 | | CO | GR |
| EP-146D | OSC | 0.6 | 1.0 | VT | OCT | 24 | | 20 | | | | | 38 | | CO | GR |
| EP-146E | OSC | 0.8 | 1.5 | VT | OCT | 24 | | 20 | | | | | 38 | | CO | GR |
| EP-149C | OSC | >0.3 | <0.6 | VT | OCT | 24 | | 20 | | | +10 | 45 | | | CO | GR |
| EP-149D | OSC | <0.6 | 1.0 | VT | OCT | 24 | | 20 | | | +10 | 45 | | | CO | GR |
| EP-149E | OSC | 0.8 | 1.5 | VT | OCT | 24 | | 20 | | | +10 | 45 | | | CO | GR |
| EP-150 SERIES | OSC | *1.6 | 6.0 | VT | 5% | 24 | | 5 | | | +10 | 45 | 6 | | CO | GR |
| ESH2040 | AMP | 0.2 | 0.4 | | | 20 | 135 | *+20 | 29 | 6 | | | 5 | | CO | EM |
| ESH2550 | AMP | 0.2 | 0.5 | | | 20 | 135 | *+20 | 29 | 7 | | | 5 | | CO | EM |
| ESK2040 | AMP | 0.2 | 0.4 | | | 24 | 240 | *+27 | 23 | 9 | | | 8 | | CO | EM |
| ESK2550 | AMP | 0.2 | 0.5 | | | 24 | 240 | *+27 | 23 | 10 | | | 8 | | CO | EM |
| ESK5001 | AMP | 0.5 | 1.0 | | | 20 | 180 | *+20 | 23 | 7 | | | <7 | | CO | EM |
| EX-104 | MUL | 0.5 | 0.8 | | 10% | | | 5 | | | | | 2 | | CO | GR |
| EX-105 | MUL | 0.8 | 1.2 | | 8% | | | 5 | | | | | 2 | | CO | GR |
| EX-106 | MUL | 1.2 | 1.6 | | 8% | | | 5 | | | | | 2 | | CO | GR |
| EX-107 | MUL | 1.6 | 2.4 | | 8% | | | 100 | | | | | 8 | | CO | GR |
| EX-108 | MUL | 2.4 | 3.2 | | 5% | | | 100 | | | | | 8 | | CO | GR |
| EX-109 | MUL | 3.2 | 4.8 | | 5% | | | 100 | | | | | 8 | | CO | GR |
| EX-110 | MUL | 4.8 | 6.4 | | 3% | | | 80 | | | | | 6 | | CO | GR |
| EX-111 | MUL | 6.4 | 9.6 | | 3% | | | 80 | | | | | 6 | | CO | GR |
| EX-112-1 | MUL | 1.2 | 2.0 | | 5% | | | 8W | | | 20 | 75 | 34 | 30.0 | CO | GR |
| EY-103A | OSX | 0.5 | 1.0 | | | 28 | | 100 | | | 0 | 50 | 30 | | CO | GR |
| EY-104A | OSX | 1.0 | 2.5 | | | 28 | | 100 | | | 0 | 50 | 30 | | CO | GR |
| EY-105A | OSX | 2.5 | 4.0 | | | 28 | | 100 | | | 0 | 50 | 30 | | CO | GR |
| EY-106A | OSX | 4.0 | 5.0 | | | 28 | | 100 | | | 0 | 50 | 30 | | CO | GR |
| EY-107A | OSX | 5.0 | 7.2 | | | 28 | | 100 | | | 0 | 50 | 46 | | CO | GR |
| EY-108A | OSX | 7.2 | 8.6 | | | 28 | | 100 | | | 0 | 50 | 46 | | CO | GR |
| EY-109A | OSX | 8.6 | 10.0 | | | 28 | | 100 | | | 0 | 50 | 46 | | CO | GR |
| EY-117A | OSX | 0.5 | 1.0 | | | 28 | | 5 | | | 0 | 50 | 20 | | CO | GR |
| EY-118A | OSX | 1.0 | 2.5 | | | 28 | | 5 | | | 0 | 50 | 20 | | CO | GR |
| EY-119A | OSX | 2.5 | 4.0 | | | 28 | | 5 | | | 0 | 50 | 20 | | CO | GR |
| EY-120A | OSX | 4.0 | 5.0 | | | 28 | | 5 | | | 0 | 50 | 20 | | CO | GR |
| EY-121A | OSX | 5.0 | 7.2 | | | 28 | | 5 | | | 0 | 50 | 35 | | CO | GR |
| EY-122A | OSX | 7.2 | 8.6 | | | 28 | | 5 | | | 0 | 50 | 35 | | CO | GR |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.³ | Oz. | | |
| EY-123A | OSX | 8.6 | 10.0 | | | 28 | | 5 | | | 0 | 50 | 35 | | CO | GR |
| FM-100 | MUL | 3.5 | 14.0 | | 4% | 28 | 650 | 25 | | | | | 25 | 24.0 | CO | AP |
| FM-100-1 | MUL | *2.0 | | | 3% | 28 | 1A | 300 | | | | | 25 | 24.0 | CO | AP |
| FM-100-2 | MUL | *2.0 | | | 3% | 28 | 2A | 1500 | | | | | 24 | 24.0 | CO | AP |
| FS-1R | OSC | 4.0 | 6.5 | MC | 12% | 20 | 125 | 4 | | | 0 | 60 | 2 | | CO | FR |
| FS-2 | OSC | 0.6 | 1.2 | VT | 12% | 60 | 300 | 1000 | | | 10 | 70 | <4 | | CO | FR |
| FS-2H | OSC | 0.6 | 1.2 | VT | 10% | 60 | 300 | 2000 | | | 10 | 70 | <4 | | CO | FR |
| FS-2M | OSC | 0.2 | 0.6 | VT | 12% | 60 | 300 | 1000 | | | 10 | 70 | <4 | | CO | FR |
| FS-2R | OSC | 0.2 | 1.4 | MC | 1% | 40 | | 1000 | | | 0 | 60 | 6 | | CO | FR |
| FS-3R | OSC | 2.0 | 4.0 | MC | 1% | 28 | | 30 | | | 0 | 60 | 3 | | CO | FR |
| FS-5 | OSC | 0.1 | 2.0 | MC | 15% | 28 | | 25 | | | 0 | 60 | 2 | | CO | FR |
| FS-6 | OSC | 0.3 | 1.8 | VT | 15% | 24 | | 20 | | | 55 | 90 | 2 | | CO | FR |
| FS-6H | OSC | 0.3 | 1.8 | VT | 10% | 24 | | 100 | | | 55 | 90 | 2 | | CO | FR |
| FS-7 | OSC | 0.1 | 2.0 | MC | 15% | 28 | | 50 | | | 0 | 60 | 2 | | CO | FR |
| FS-7R | OSC | 0.1 | 2.0 | MC | 1% | 28 | | 100 | | | 0 | 60 | 2 | | CO | FR |
| FS-9R | OSC | 4.0 | 6.0 | MC | 1% | 28 | | 25 | | | 0 | 60 | 2 | | CO | FR |
| FS-14A | OSC | 2.3 | 2.9 | | 325 | 60 | 300 | 250 | | | 10 | 70 | 7 | | CO | FR |
| FS-14B | OSC | 2.8 | 3.3 | VT | 400 | 60 | 300 | 200 | | | 10 | 70 | 7 | | CO | FR |
| FS-14C | OSC | 3.1 | 3.6 | VT | 450 | 60 | 300 | 200 | | | 10 | 70 | 7 | | CO | FR |
| FS-14D | OSC | 3.5 | 4.3 | VT | 500 | 60 | 300 | 200 | | | 10 | 70 | 5 | | CO | FR |
| FS-14E | OSC | 4.2 | 4.9 | VT | 500 | 60 | 300 | 175 | | | 10 | 70 | 5 | | CO | FR |
| FS-14F | OSC | 4.9 | 5.6 | VT | 600 | 60 | 300 | 125 | | | 10 | 70 | 5 | | CO | FR |
| FS-14G | OSC | 5.4 | 6.0 | VT | 600 | 60 | 300 | 100 | | | 10 | 70 | 5 | | CO | FR |
| FS-14L | OSC | 3.5 | 6.0 | MC | 1% | 40 | | 150 | | | 0 | 60 | 5 | | CO | FR |
| FS-14R | OSC | 2.3 | 3.5 | MC | 1% | 40 | | 500 | | | 0 | 60 | 8 | | CO | FR |
| FS-17R | OSC | 5.0 | 11.0 | MC | 1% | 28 | | 10 | | | 0 | 60 | 3 | | CO | FR |
| FS-18 | OSC | 4.8 | 11.0 | VT | 500 | 24 | | 3 | | | 0 | 60 | 3 | | CO | FR |
| FS-18W | OSC | 8.5 | 11.0 | VT | 11H | 24 | | 1 | | | 0 | 60 | 3 | | CO | FR |
| FS-213 | OSX | <0.3 | <0.5 | | | 15 | | 10 | | | 10 | 50 | 5 | | CO | FR |
| FS-21CHP | OSX | <0.5 | 1.8 | | | 28 | | 50 | | | 10 | 50 | <13 | | CO | FR |
| FS-21CLP | OSX | <0.5 | 1.5 | | | 15 | | 5 | | | 10 | 50 | <13 | | CO | FR |
| FS-21CMP | OSX | <0.5 | 1.8 | | | 28 | | 10 | | | 0 | 60 | <13 | | CO | FR |
| FS-21M | MUL | <0.5 | 1.8 | | | | | 50 | | | | | 16 | | CO | FR |
| FS-22 | OSX | 6.0 | 11.0 | | | 28 | | 5 | | | 0 | 60 | 13 | | CO | FR |
| FS-22M | MUL | 6.0 | 11.0 | | | | | 5 | | | | | 13 | | CO | FR |
| FS-23 | OSC | 2.5 | 5.5 | VT | 15% | 24 | | 20 | | | 0 | 60 | <5 | | CO | FR |
| FS-24 | OSC | 7.0 | 10.0 | VT | 500 | 60 | 300 | 40 | | | 10 | 70 | | | CO | FR |
| FS-24M | OSC | 10.0 | 11.0 | VT | 400 | 60 | 300 | 25 | | | 10 | 70 | | | CO | FR |
| FS-24R | OSC | 7.0 | 10.5 | MC | 1% | 40 | | 100 | | | 0 | 60 | 7 | | CO | FR |
| FS-25 | OSC | 1.8 | 2.5 | VT | 200 | 100 | 24 | 20 | | | 0 | 60 | 2 | | CO | FR |
| FS-26 | CSO | 1.2 | 1.5 | MC | 300 | 24 | 90 | 10 | | | 30 | 71 | <4 | | CO | FR |
| FS-27H | CSO | 3.6 | 6.0 | MC | 500 | 24 | 80 | 20 | | | 30 | 71 | <4 | | CO | FR |
| FS-28 | CSO | 1.5 | 2.3 | MC | 800 | 24 | 80 | 10 | | | 30 | 71 | 3 | | CO | FR |
| FS-29A | OSX | 2.5 | 6.0 | | | 28 | | 5 | | | 0 | 60 | 50 | | CO | FR |
| FS-29B | OSX | 6.0 | 11.0 | | | 28 | | 2 | | | 0 | 60 | 58 | | CO | FR |
| FS-30 | OSX | 2.5 | 6.0 | | | 15 | | 5 | | | 0 | 60 | <12 | | CO | FR |
| FS-30A | OSX | 1.8 | 2.5 | | | 28 | | 20 | | | 0 | 60 | 14 | | CO | FR |
| FS-30HP | OSX | 2.5 | 6.0 | | | 28 | | 20 | | | 0 | 60 | <12 | | CO | FR |
| FS-30M | MUL | 2.5 | 6.0 | | | | | 5 | | | | | 11 | | CO | FR |
| FS-31 | CSO | 2.0 | 3.0 | MC | 1K | 24 | 80 | 10 | | | 30 | 71 | 3 | | CO | FR |
| FS-31A | CSO | 3.0 | 4.0 | MC | 1K | 24 | 80 | 10 | | | 30 | 71 | 3 | | CO | FR |
| FS-31B | CSO | 3.5 | 4.5 | MC | 1K | 24 | 80 | 10 | | | 30 | 71 | <3 | | CO | FR |
| FS-31B | CSO | 2.4 | 3.2 | MC | 800 | 24 | 80 | 10 | | | 30 | 71 | 3 | | CO | FR |
| FS-35 | OSC | 15.0 | 17.0 | VT | 500 | 60 | 300 | 25 | | | 10 | 70 | 6 | | CO | FR |
| FS-36 | OSC | 0.5 | 1.5 | VT | OCT | 28 | | 10 | | | 0 | 60 | 2 | | CO | FR |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| FS-36H | OSC | 0.5 | 1.0 | VT | OCT | 28 | | 250 | | | 0 | 60 | 2 | | CO | FR |
| FS-37H | OSO | 7.5 | 10.4 | MC | 600 | 24 | 90 | 5 | | | 30 | 71 | 4 | | CO | FR |
| FS-37L | OSO | 4.0 | 7.5 | MC | 500 | 24 | 90 | 10 | | | 30 | 71 | 4 | | CO | FR |
| FS-37M | MUL | 4.0 | 10.4 | | | | | 5 | | | | | 4 | | CO | FR |
| FS-38 | OSX | 0.1 | <0.5 | | | 15 | | 5 | | | 10 | 50 | 34 | | CO | FR |
| FS-39 | OSX | <0.5 | 1.8 | | | 28 | | 1 | | | 10 | 50 | 45 | | CO | FR |
| FS-40 | ADO | 8.0 | 12.4 | MC | 100 | 95 | 40 | 10 | | | 0 | 60 | 2 | | CO | FR |
| FS-42 | ADO | 8.0 | 12.4 | MC | 10% | 95 | 40 | 10 | | | 0 | 60 | 2 | | CO | FR |
| FS-47 | OSC | 2.0 | 4.0 | VT | OCT | 24 | | 15 | | | 0 | 60 | 2 | | CO | FR |
| FS-48 | OSC | 15.0 | 18.0 | VT | 1< | 28 | | 10 | | | 0 | 60 | <12 | | CO | FR |
| FS-48R | CSO | 15.5 | 16.5 | MC | 300 | 24 | 90 | 5 | | | 30 | 71 | <13 | | WG | FR |
| FS-49 | OSX | 12.4 | 18.0 | | | 28 | | 2 | | | 0 | 60 | 19 | | WG | FR |
| FS-50L | OSC | 1.5 | 2.7 | VT | 15% | 26 | 200 | 150 | | | 0 | 60 | 11 | | CO | FR |
| FS-50S | OSC | 2.0 | 2.4 | VT | 10% | 26 | 200 | 50 | | | 0 | 60 | 11 | | CO | FR |
| FS-51 | GOS | 5.0 | 11.0 | MC | 12% | 12 | 350 | 5 | | | 0 | 60 | 2 | | CO | FR |
| FS-52 | GOS | 4.9 | 11.0 | VT | 12% | 15 | 350 | 10 | | | 0 | 60 | 2 | | CO | FR |
| FS-53 | OSC | 4.5 | 6.0 | VT | 10% | 26 | 200 | 10 | | | 0 | 60 | 11 | | CO | FR |
| FS-54 | OSC | 7.5 | 11.0 | VT | 10% | 26 | 200 | 5 | | | 0 | 60 | 11 | | CO | FR |
| FS-55 | OSC | 14.0 | 16.0 | VT | 2% | 26 | 200 | 5 | | | 0 | 60 | 11 | | CO | FR |
| FS-143 | MUL | 4.6 | 5.2 | | | | | 5 | | | | | 5 | | CO | FR |
| FS-178M | MUL | >1.2 | <1.4 | | | 20 | | 1000 | | | | | 23 | | CO | FR |
| FS-210 | IPO | 6.5 | 12.4 | MC | 4G | -95 | 40 | 3 | | | 0 | 60 | 22 | | CO | FR |
| FS-217 | MUL | *2.6 | | | | | | 500 | | | | | 4 | | CO | FR |
| FS-220A | OSX | 1.5 | 3.0 | | | 28 | | 3000 | | | 0 | 60 | 30 | | CO | FR |
| FS-220B | OSX | 3.0 | 4.5 | | | 28 | | 1000 | | | 10 | 50 | 30 | | CO | FR |
| FS-220C | OSX | 4.5 | 7.0 | | | 28 | | 500 | | | 0 | 60 | 30 | | CO | FR |
| FS-220D | OSX | 7.0 | 9.6 | | | 28 | | 250 | | | 0 | 60 | 30 | | CO | FR |
| FS-251 | GOS | 12.4 | 18.0 | MC | 1% | 12 | 350 | 10 | | | 0 | 60 | 2 | | WG | FR |
| FS-275 | MUL | 9.0 | 10.5 | | | | | 40 | | | | | 70 | | CO | FR |
| FS-306 | GOS | 4.2 | 5.8 | VT | 16H | 15 | 350 | 20 | | | 0 | 60 | 19 | | CO | FR |
| FS-307 | GOS | 5.8 | 8.0 | VT | 22H | 15 | 350 | 20 | | | 0 | 60 | 19 | | CO | FR |
| FS-308 | GOS | 8.2 | 10.0 | VT | 18H | 15 | 350 | 20 | | | 0 | 60 | 19 | | CO | FR |
| FS-315 | MUL | 7.8 | 7.9 | | | | | 300 | | | | | 58 | | CO | FR |
| FS-329 | OSX | 9.6 | 10.5 | | | 28 | | 100 | | | 0 | 60 | 70 | | CO | FR |
| FS-330 | OSX | 12.4 | 18.0 | | | 28 | | 25 | | | 0 | 60 | 35 | | WG | FR |
| GFO(X)-104 | GOS | 8.2 | 9.7 | | | 12 | 600 | 10 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| GFO(X)-105 | GOS | 9.1 | 10.6 | | | 12 | 600 | 10 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| GFO(X)-106 | GOS | 10.0 | 11.5 | | | 12 | 600 | 10 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| GFO(X)-107 | GOS | 10.9 | 12.4 | | | 12 | 600 | 10 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| GFO(X)-114 | GOS | 8.2 | 9.7 | | | 12 | 600 | 25 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| GFO(X)-115 | GOS | 9.1 | 10.6 | | | 12 | 600 | 25 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| GFO(X)-116 | GOS | 10.0 | 11.5 | | | 12 | 600 | 25 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| GFO(X)-117 | GOS | 10.9 | 12.4 | | | 12 | 600 | 25 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| GO-1 | GOS | *8.2 | | FX | | 12 | 500 | 50 | | | | | | | | SK |
| GOX-100 | GOS | 8.2 | 9.7 | | | 12 | 600 | 10 | | | 30 | 60 | | 4.0 | WG | FS |
| GOX-101 | GOS | 9.1 | 10.6 | | | 12 | 600 | 10 | | | 30 | 60 | | 4.0 | WG | FS |
| GOX-102 | GOS | 10.2 | 11.7 | | | 12 | 600 | 10 | | | 30 | 60 | | 4.0 | WG | FS |
| GOX-103 | GOS | 10.9 | 12.4 | | | 12 | 600 | 10 | | | 30 | 60 | | 4.0 | WG | FS |
| GOX-111 | GOS | 9.1 | 10.6 | | | 12 | 600 | 25 | | | 30 | 60 | | 4.0 | WG | FS |
| GOX-112 | GOS | 10.2 | 11.7 | | | 12 | 600 | 25 | | | 30 | 60 | <1 | 4.0 | WG | FS |
| GOX1200 | GOS | *10.5 | | MC | 100 | 12 | 400 | 50 | | | 30 | 60 | <2 | <2.0 | CO | FS |
| GSMK SERIES | GOS | 18.0 | 26.5 | MC | 500 | 7 | | 15 | | | 54 | 71 | 1 | 1.8 | WG | MM |
| GSMX SERIES | GOS | 8.0 | 12.4 | MC | 500 | 12 | | 25 | | | 54 | 71 | 6 | 3.3 | WG | MM |
| GSMY SERIES | GOS | 12.4 | 18.0 | MC | 500 | 10 | | 25 | | | 54 | 71 | 3 | 2.8 | WG | MM |
| HCA2040 | AMP | 0.2 | 0.4 | | | 15 | 100 | *+20 | 18 | <6 | | | 2 | 1.8 | | EM |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| HCA2550 | AMP | 0.2 | 0.5 | | | 15 | 100 | *+20 | 18 | <6 | | | 2 | 1.8 | | EM |
| HCA5001 | AMP | 0.5 | 1.0 | | | 15 | 120 | *+20 | 13 | 7 | | | 2 | 1.8 | | EM |
| HFW-2(TX)-1415 | AMP | 1.4 | 1.5 | | | 12 | 20 | | 20 | 5 | | | 7 | 7.0 | CO | AR |
| HFW-2(TX)-2223 | AMP | 2.2 | 2.3 | | | 12 | 20 | | 18 | <6 | | | 7 | 7.0 | CO | AR |
| HFW-2(TX)-2550/P | AMP | 0.3 | 0.5 | | | 28 | 600 | 2W | 10 | | | | 16 | | CO | AR |
| HFW-3(TX)-2040 | TRA | 2.0 | 4.0 | | | 15 | 30 | | 15 | <9 | 40 | 71 | <5 | 10.0 | CO | AR |
| HFW-4(TX)-1020 | TRA | 1.0 | 2.0 | | | 15 | 50 | | 20 | <6 | 40 | 71 | <5 | 10.0 | CO | AR |
| HFW-4(TX)-50200 | TRA | 0.5 | 2.0 | | | 15 | 45 | *+10 | 25 | <7 | 40 | 71 | <5 | | CO | AR |
| KA-1 | PAR | *35.0 | | FX | 650 | 12 | 500 | | 9 | 8 | | | | | | SK |
| L-6 | PAR | <*1.7 | | MC | 50 | 12 | 500 | | 17 | <2 | | | | | | SK |
| L-7 | PAR | *2.3 | | FX | 400 | 12 | 500 | | 12 | 2 | | | | | | SK |
| L-8 | PAR | *2.3 | | FX | 150 | 12 | 500 | | 15 | 2 | | | | | | SK |
| L-9 | PAR | *2.1 | | MC | 10 | 12 | 500 | | 20 | <3 | | | | | | SK |
| LO-100 SERIES | OSC | 3.5 | 14.0 | | | 25 | 500 | 25 | | | 0 | 60 | 25 | 24.0 | CO | AR |
| M-250-250 | OSX | <*0.3 | | MC | 10% | 28 | | 250 | | | 55 | 85 | 1 | | CO | MP |
| M-450-250 | OSX | <*0.5 | | MC | 10% | 28 | | 250 | | | 55 | 85 | 1 | | CO | MP |
| M-720-250 | OSX | <*0.7 | | MC | 10% | 28 | | 250 | | | 55 | 85 | 1 | | CO | MP |
| M1000-2000 | OSX | *1.0 | | MC | 10% | 28 | | 2000 | | | 55 | 85 | 1 | | CO | MP |
| M-1030-250 | OSX | <*1.1 | | MC | 10% | 28 | | 250 | | | 55 | 85 | 1 | | CO | MP |
| M-1220-250 | OSX | *1.2 | | MC | 10% | 28 | | 250 | | | 55 | 85 | 1 | | CO | MP |
| M-1480-250 | OSX | <*1.5 | | MC | 10% | 28 | | 250 | | | 55 | 85 | 1 | | CO | MP |
| M-2000-1000 | OSX | *2.0 | | MC | 10% | 28 | | 1000 | | | 55 | 85 | 1 | | CO | MP |
| M-2250-100 | OSX | <*2.3 | | MC | 10% | 28 | | 100 | | | 55 | 85 | 1 | | CO | MP |
| M-3000-100 | OSX | *3.0 | | MC | 10% | 28 | | 100 | | | 55 | 85 | 1 | | CO | MP |
| MA-8510 | OSX | 15.3 | 15.6 | | | 20 | 300 | <2 | | | 54 | 79 | 38 | 30.0 | WG | MA |
| MA-8710 | MUL | *13.3 | | | | 28 | 1A | 150 | | | 54 | 71 | 30 | 19.0 | WG | MA |
| MA-8010-XF1 SER. | GOS | >10.6<13.2 | | MC | | -20 | 125 | 1 | | | 30 | 55 | 31 | 18.0 | WG | MA |
| MA-8012-XF2 SER. | GOS | >10.6<13.2 | | ME | | -20 | 125 | 1 | | | 30 | 55 | 31 | 20.0 | WG | MA |
| MA-8012-ZF02 | GOS | 15.9 | 16.5 | VT | 40 | 7 | 350 | 2 | | | 40 | 85 | 4 | | WG | MA |
| MA-8012A-XF09 | GOS | 9.0 | 9.5 | VT | 50 | 12 | 250 | 2 | | | 40 | 85 | 10 | | WG | MA |
| MA49750 | GOS | >10.5* | | | | 9 | 500 | 50 | | | 30 | 70 | 3 | | WG | MA |
| MDA1000 | PRE | 0.1 | 1.0 | | | 115 | 180 | | 28 | <9 | | | 514 | | CO | ME |
| MDA1415 | PRE | 1.4 | 1.5 | | | 20 | 30 | | 25 | <5 | | | 14 | | CO | ME |
| MDA1423 | PRE | 1.4 | 2.3 | | | -20 | 60 | | 20 | 8 | | | 14 | | CO | ME |
| MDA2223 | PRE | 2.2 | 2.3 | | | -20 | 30 | | 25 | <6 | | | 14 | | CO | ME |
| MDA3940 | PRE | *0.4 | | | | 20 | 100 | | 35 | <3 | | | 24 | | CO | ME |
| MDA5001 | PRE | 0.5 | 1.0 | | | 12 | 50 | | 43 | 6 | | | 30 | | CO | ME |
| MDS1415 | PRE | >1.4 | >1.5 | | | | 5 | *+5 | 10 | 4 | | | 5 | 6.0 | CO | ME |
| MDS2223 | PRE | 2.2 | 2.3 | | | | 5 | *+5 | 10 | <6 | | | 5 | 6.0 | CO | ME |
| MHA300B | AMP | *0.3 | | | 200 | 12 | 55 | *+5 | 25 | 4 | | | 1 | | CO | FS |
| MHA500B | AMP | *0.5 | | | 25 | 12 | 55 | *+5 | 25 | 4 | | | 1 | | CO | FS |
| MHA600B | AMP | <*0.5 | | | 475 | 12 | 55 | *0 | 19 | 6 | | | 1 | | CO | FS |
| MHA700B | AMP | *0.7 | | | 200 | 12 | 55 | *0 | 20 | 6 | | | 1 | | CO | FS |
| MHA1500B | AMP | *1.5 | | | 500 | 12 | 40 | *0 | 20 | 7 | | | 1 | | CO | FS |
| MLT1.7 | OSC | 1.7 | 2.1 | | | 20 | 2A | 2W | | | | | 172 | | CO | RH |
| MLT2.2 | OSC | 2.2 | 2.3 | | | 20 | 2A | 2W | | | | | 172 | | CO | RH |
| MLT3.7 | OSC | 3.7 | 4.2 | | | 20 | 2A | 1W | | | | | 172 | | CO | RH |
| MLT4.4 | OSC | 4.4 | 5.0 | | | 20 | 2A | 1W | | | | | 172 | | CO | RH |
| MLT5.9 | OSC | 5.9 | 6.5 | | | 20 | 2A | 500 | | | | | 172 | | CO | RH |
| MLT7.1 | OSC | 7.1 | 8.4 | | | 20 | 2A | 300 | | | | | 172 | | CO | RH |
| MMC 20-1.5 | MIA | 1.0 | 2.0 | FX | 1K | 25 | 25 | *0 | 20 | <8 | 40 | 71 | 2 | | CO | IM |
| MMC 20-3.0 | MIA | 2.0 | 4.0 | FX | 2K | 25 | 25 | *0 | 20 | <8 | 40 | 71 | 1 | | CO | IM |
| MMC 20-6.0 | MIA | 4.0 | 8.0 | FX | 4K | 25 | 25 | *0 | 20 | 8 | 40 | 71 | 1 | | CO | IM |
| MMC 20-10 | MIA | 8.0 | 12.0 | FX | 40H | 25 | 25 | *0 | 20 | 9 | 40 | 71 | <2 | | CO | IM |
| MMC 20-15 | MIA | 12.0 | 18.0 | FX | 60H | 25 | 25 | *0 | 20 | 10 | 40 | 71 | <2 | | CO | IM |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.³ | Oz. | | |
| MMC 30-1.5 | MIA | 1.0 | 2.0 | FX | 1K | 25 | 25 | *0 | 30 | <8 | 40 | 71 | 2 | | CO | IM |
| MMC 30-3.0 | MIA | 2.0 | 4.0 | FX | 2K | 25 | 25 | *0 | 30 | <8 | 40 | 71 | 1 | | CO | IM |
| MMC 30-6.0 | MIA | 4.0 | 8.0 | FX | 4K | 25 | 25 | *0 | 30 | 8 | 40 | 71 | 1 | | CO | IM |
| MMC 30-10 | MIA | 8.0 | 12.0 | FX | 40H | 25 | 25 | *0 | 30 | 9 | 40 | 71 | <2 | | CO | IM |
| MMC 30-15 | MIA | 12.0 | 18.0 | FX | 60H | 25 | 25 | *0 | 30 | 10 | 40 | 71 | <2 | | CO | IM |
| MMP1-2 SERIES | MIA | 1.0 | 2.0 | | 240 | 12 | 40 | | 20 | 8 | 30 | 71 | | | CO | RH |
| MMP2-4 SERIES | MIA | 2.0 | 4.0 | | 240 | 12 | 40 | | 20 | 8 | 30 | 71 | | | CO | RH |
| MMP4-8 SERIES | MIA | 4.0 | 8.0 | | 240 | 12 | 40 | | 20 | 8 | 30 | 71 | | | CO | RH |
| MO(L)-102 | OSC | <1.0 | 1.1 | MC | | -20 | 120 | 250 | | | 30 | 60 | 7 | 8.0 | | FS |
| MO(L)-104 | OSC | >1.1 | >1.2 | MC | | 20 | 120 | 250 | | | 30 | 60 | 7 | 8.0 | | FS |
| MO(L)-106 | OSC | 1.2 | >1.3 | MC | | 20 | 120 | 250 | | | 30 | 60 | 7 | 8.0 | | FS |
| MO(L)-108 | OSC | >1.3 | >1.5 | MC | | 20 | 120 | 250 | | | 30 | 60 | 7 | 8.0 | | FS |
| MO(L)-110 | OSC | 1.5 | >1.7 | MC | | 20 | 120 | 100 | | | 30 | 60 | 7 | 8.0 | | FS |
| MO(L)-112 | OSC | 1.7 | >2.0 | MC | | 20 | 120 | 75 | | | 30 | 60 | 7 | 8.0 | | FS |
| MO(S)-114 | OSC | 2.0 | >2.3 | MC | | 20 | 120 | 50 | | | 30 | 60 | 5 | 8.0 | | FS |
| MO(S)-116 | OSC | 2.3 | >2.7 | MC | | 20 | 120 | 20 | | | 30 | 60 | 3 | 2.5 | | FS |
| MO(S)-118 | OSC | 2.7 | >3.2 | MC | | 20 | 120 | 20 | | | 30 | 60 | 3 | 2.5 | | FS |
| MP5-1/2SERIES | PRE | 0.5 | 1.0 | | | +12 | | | 25 | <9 | | | | | CO | RH |
| MP7/2 SERIES | PRE | 7.5 | 8.5 | | | +12 | | | 25 | 7 | | | | | WG | RH |
| MP8/2 SERIES | PRE | 8.5 | 9.6 | | | +12 | | | 25 | 7 | | | | | WG | RH |
| MPC 20-1.5 | MIA | 1.0 | 2.0 | FX | 1K | 12 | 25 | *0 | 20 | 8 | 40 | 71 | 5 | | CO | IM |
| MPC 20-3.0 | MIA | 2.0 | 4.0 | FX | 2K | 12 | 25 | *0 | 20 | 9 | 40 | 71 | 5 | | CO | IM |
| MPC 20-6.0 | MIA | 4.0 | 8.0 | FX | 4K | 12 | 25 | *0 | 20 | 9 | 40 | 71 | 6 | | CO | IM |
| MPC 20-10 | MIA | 8.0 | 12.0 | FX | 40H | 12 | 25 | *0 | 20 | 10 | 40 | 71 | 6 | | CO | IM |
| MPC 30-1.5 | MIA | 1.0 | 2.0 | FX | 1K | 12 | 25 | *0 | 30 | 8 | 40 | 71 | 5 | | CO | IM |
| MPC 30-3.0 | MIA | 2.0 | 4.0 | FX | 2K | 12 | 25 | *0 | 30 | 9 | 40 | 71 | 5 | | CO | IM |
| MPC 30-6.0 | MIA | 4.0 | 8.0 | FX | 4K | 12 | 25 | *0 | 30 | 9 | 40 | 71 | 6 | | CO | IM |
| MPC 30-10 | MIA | 8.0 | 12.0 | FX | 40H | 12 | 25 | *0 | 30 | 10 | 40 | 71 | 6 | | WG | IM |
| MPW 20-9.0 | MIA | 8.5 | 9.6 | FX | 11H | 12 | 25 | *0 | 20 | <9 | 40 | 71 | <5 | | WG | IM |
| MPW 20-10 | MIA | 9.5 | 12.5 | FX | 29H | 12 | 25 | *0 | 20 | 9 | 40 | 71 | <5 | | WG | IM |
| MPW 20-15 | MIA | 12.4 | 18.0 | FX | 54H | 12 | 25 | *0 | 20 | 10 | 40 | 71 | 6 | | WG | IM |
| MPW 30-9.0 | MIA | 8.5 | 9.6 | FX | 11H | 12 | 25 | *0 | 30 | <9 | 40 | 71 | <5 | | WG | IM |
| MPW 30-10 | MIA | 9.5 | 12.5 | FX | 29H | 12 | 25 | *0 | 30 | 9 | 40 | 71 | <5 | | WG | IM |
| MPW 30-15 | MIA | 12.4 | 18.0 | FX | 54H | 12 | 25 | *0 | 30 | 10 | 40 | 71 | 6 | | WG | IM |
| MQ10000 SERIES | OSC | 0.2 | 4.0 | VT | OCT | -20 | 150 | 50 | | | 25 | 75 | 2 | 2.3 | CO | MQ |
| MQ10300 SERIES | OSC | 0.2 | 1.4 | MC | 20% | -20 | 150 | 50 | | | 25 | 75 | 2 | 2.2 | CO | MQ |
| MQ10600 SERIES | OSC | 0.3 | 2.0 | VT | OCT | 20 | 150 | 50 | | | 25 | 75 | <1 | <0.7 | CO | MQ |
| MQ20000 SERIES | AMP | 0.2 | 1.0 | | OCT | 12 | | *0 | 20 | <4 | 54 | 71 | 5 | | CO | MQ |
| MQ20100 SERIES | AMP | 1.0 | 4.0 | | OCT | 12 | | *+5 | 20 | 10 | 54 | 71 | 10 | | CO | MQ |
| MS(C)-48 | OSC | >4.3 | >4.9 | MC | | 20 | | 10 | | | 30 | 60 | 6 | 17.0 | | FS |
| MS(C)-52 | OSC | 5.4 | 5.9 | MC | | 20 | | 10 | | | 30 | 60 | 6 | 17.0 | | FS |
| MS(C)-54 | OSC | >5.8 | >6.4 | MC | | 20 | | 10 | | | 30 | 60 | 6 | 17.0 | | FS |
| MS(C)-56 | OSC | >6.4 | >6.9 | MC | | 20 | | 10 | | | 30 | 60 | 6 | 17.0 | | FS |
| MS(C)-58 | OSC | 6.8 | 7.2 | MC | | 20 | | 10 | | | 30 | 60 | 6 | 17.0 | | FS |
| MS(C)-60 | OSC | 7.0 | >7.5 | MC | | 20 | | 5 | | | 30 | 60 | 6 | 17.0 | | FS |
| MS(C)-62 | OSC | 7.5 | 8.0 | MC | | 20 | | 5 | | | 30 | 60 | 6 | 17.0 | | FS |
| MS(C)A-480 | OSC | >4.3 | >4.6 | MC | | 20 | 400 | 50 | | | 30 | 60 | 30 | 30.0 | | FS |
| MS(C)B-480 | OSC | 4.6 | >4.9 | MC | | 20 | 400 | 50 | | | 30 | 60 | 30 | 30.0 | | FS |
| MS(C)540 | OSC | 5.9 | 6.4 | MC | | 20 | 400 | 50 | | | 30 | 60 | 30 | 30.0 | | FS |
| MS(C)560 | OSC | >6.3 | >6.8 | MC | | 20 | 400 | 50 | | | 30 | 60 | 30 | 30.0 | | FS |
| MS(K)80 | OSC | >12.1 | 12.7 | | | 20 | 300 | 5 | | | 30 | 60 | 10 | 21.0 | | FS |
| MS(K)82 | OSC | >12.6 | >13.2 | | | 20 | 300 | 5 | | | 30 | 60 | 10 | 21.0 | | FS |
| MS(S)-42 | OSC | 3.6 | 3.9 | MC | | 20 | 300 | 10 | | | 30 | 60 | <6 | 17.0 | | FS |
| MS(S)-44 | OSC | 3.8 | 4.2 | MC | | 20 | 400 | 10 | | | 30 | 60 | <6 | 17.0 | | FS |
| MS(S)-420 | OSC | 3.6 | 3.9 | MC | | 20 | 400 | 50 | | | 30 | 60 | 30 | 30.0 | | FS |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.³ | Oz. | | |
| MS(S)-440 | OSC | 3.8 | 4.2 | MC | | 20 | 400 | 50 | | | 30 | 60 | 30 | 30.0 | | FS |
| MS(X)-64 | OSC | <8.0 | 8.5 | MC | | 20 | 300 | 5 | | | 30 | 60 | <6 | 17.0 | | FS |
| MS(X)74 | OSC | >10.6 | >11.2 | | | 20 | 300 | 10 | | | 30 | 60 | 10 | 21.0 | | FS |
| MS(X)-76 | OSC | 11.2 | <11.8 | | | 20 | 300 | 10 | | | 30 | 60 | 10 | 21.0 | | FS |
| MS(X)78 | OSC | >11.6 | >12.2 | | | 20 | 300 | 5 | | | 30 | 60 | 10 | 21.0 | | FS |
| MSCA540 | GOS | <5.9 | 6.1 | | | 20 | 400 | 50 | | | 30 | 60 | | | WG | FS |
| MSCB540 | GOS | 6.1 | <6.4 | | | 20 | 400 | 50 | | | 30 | 60 | | | WG | FS |
| MVL-2700 | OSC | 1.0 | 2.0 | VT | | 20 | 80 | 50 | | | 30 | 60 | 2 | 4.0 | | FS |
| MVS4700 | OSC | 2.0 | 4.0 | VT | | 20 | 150 | 40 | | | 30 | 60 | 2 | 3.0 | | FS |
| MVS4710 | OSC | 2.0 | 4.0 | VT | | 20 | 150 | 75 | | | 30 | 60 | 2 | 3.0 | | FS |
| NTAC-14853 | TDA | >1.4 | <1.6 | | | 28 | | | 20 | <4 | 0 | 50 | 144 | | CO | MS |
| NTAC-2250-B | TDA | 2.2 | 2.3 | | | 28 | | | 20 | <4 | 0 | 50 | 88 | | CO | MS |
| OA75JA | OSC | 0.5 | 1.0 | VT | | -30 | 120 | 400 | | | 30 | 60 | 2 | 6.0 | CO | IS |
| OA-375-30-1 | PRE | <0.3 | 0.5 | | OCT | 28 | | | 30 | 4 | 55 | 70 | 5 | | CO | MP |
| OA-375-40-50 | PRE | <0.3 | 0.5 | | OCT | 28 | | | 40 | 4 | 55 | 70 | 8 | | CO | MP |
| OA-750-30-1 | PRE | 0.5 | 1.0 | | OCT | 28 | | | 30 | 4 | 55 | 70 | 5 | | CO | MP |
| OA-750-40-50 | PRE | 0.5 | 1.0 | | OCT | 28 | | | 40 | 5 | 55 | 70 | 8 | | CO | MP |
| OB50JB | OSC | 1.0 | 2.0 | VT | | -24 | 150 | 150 | | | | | <3 | 5.0 | CO | IS |
| OD00JB | OSC | 2.0 | 4.0 | VT | | -24 | 150 | 100 | | | | | <3 | 5.0 | CO | IS |
| OD30CM | GOS | 4.2 | 4.4 | MC | 500 | 13 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| OD65GB | OSC | 3.0 | 4.3 | VT | | -24 | 150 | 30 | | | | | <3 | 5.0 | CO | IS |
| OE65CM | GOS | 5.4 | 5.9 | MC | 500 | 6 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| OE75FB | OSC | 4.0 | 5.5 | VT | | -24 | 150 | 25 | | | | | <2 | 4.0 | CO | IS |
| OF67CM | GOS | 6.4 | 6.9 | MC | 500 | 6 | 650 | 25 | | | 30 | 70 | | 3.5 | CO | IS |
| OF80EB | OSC | 5.0 | 6.6 | VT | | -24 | 150 | 20 | | | | | <2 | 4.0 | CO | IS |
| OH75CM | GOS | 7.5 | 8.0 | MC | 500 | 6 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| OI75CM | GOS | 8.5 | 9.0 | MC | 500 | 6 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| OJ25CM | GOS | 9.0 | 9.5 | MC | 500 | 6 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| OK05CM | GOS | 9.8 | 10.3 | MC | 500 | 6 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| OK45CM | GOS | 10.2 | 10.7 | MC | 500 | | | 20 | | | 30 | 70 | | 3.5 | CO | IS |
| OL75CM | GOS | 11.5 | 12.0 | MC | 500 | | | 20 | | | 30 | 70 | | 3.5 | CO | IS |
| OL-103 | YTO | 1.0 | 2.0 | | | 15 | 50 | 5 | | | 20 | 60 | <6 | 8.0 | CO | PE |
| OL-103A | CSO | 2.6 | 3.2 | MC | 600 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| OLS2001 | OSC | 1.5 | 3.5 | FX | | -21 | | 50 | | | 30 | 72 | 3 | 4 | CO | CL |
| OM-1.5-30-20-10 | MIA | 1.0 | 2.0 | | | 28 | | | 15 | 8 | 50 | 70 | 5 | | CO | MP |
| OM-3.0-30-20-10 | MIA | 2.0 | 4.0 | | | 28 | | | 15 | 8 | 50 | 70 | 5 | | CO | MP |
| OM-6.0-30-20-10 | MIA | 4.0 | 8.0 | | | 28 | | | 15 | <9 | 50 | 70 | 5 | | CO | MP |
| OM-10.0-30-20-10 | MIA | 8.0 | 12.0 | | | 28 | | | 15 | 9 | 50 | 70 | 5 | | CO | MP |
| OM50CM | GOS | 12.2 | 12.7 | MC | 500 | 6 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| OM-750-30-20-10 | MIA | 0.5 | 1.0 | | | 28 | | | 15 | <8 | 50 | 70 | 5 | | CO | MP |
| OP-100 | YTO | 0.5 | 1.0 | | | 15 | 50 | 5 | | | 20 | 60 | <6 | 8.0 | CO | PE |
| OR50JA | OSC | 1.0 | 2.0 | VT | | -20 | 150 | 200 | | | 30 | 60 | 2 | 6.0 | CO | IS |
| OS-100 | YTO | 2.0 | 4.0 | | | 15 | 50 | 2 | | | 20 | 60 | <5 | 8.0 | CO | PE |
| OX-100 | GOS | 8.0 | 12.4 | VT | | 7 | 450 | 10 | | | | | 31 | 56.0 | CO | PE |
| PA81AA | PAR | 0.7 | 0.9 | FX | 20 | 115 | 1500 | | 20 | 2 | 0 | 50 | 440 | 144 | CO | IS |
| PB25AB | PAR | 2.2 | 3.3 | FX | 100 | 115 | 1500 | | 20 | 2 | 0 | 50 | 222 | 112 | CO | IS |
| PB31AA | PAR | <1.3 | <1.4 | FX | 20 | 115 | 1500 | | 20 | 2 | 0 | 50 | 440 | 144 | CO | IS |
| PB31AB | PAR | <1.3 | <1.4 | FX | 70 | 115 | 1500 | | 20 | 2 | 0 | 50 | 845 | 160 | CO | IS |
| PC15AA | PAR | 1.9 | 2.4 | FX | 30 | 115 | 1500 | | 20 | 2 | 0 | 50 | 440 | 144 | CO | IS |
| PC25AA | PAR | 2.2 | 3.3 | | 40 | 115 | 1500 | | 20 | 2 | 0 | 50 | 440 | 144 | CO | IS |
| PC80AA | PAR | 2.7 | 2.9 | | 40 | 115 | 1500 | | 20 | 2 | 0 | 50 | 440 | 144 | CO | IS |
| PS-8 | OSC | 0.2 | <0.3 | ME | | | | | | | | | 5 | 5.0 | CO | EF |
| PS-9 | OSC | <0.2 | 0.3 | ME | | | | | | | | | 5 | 5.0 | CO | EF |
| PS-10 | OSC | <0.2 | 0.3 | ME | | | | | | | | | 5 | 5.0 | CO | EF |
| PS-11 | OSC | 0.2 | 0.4 | ME | | | | | | | | | 5 | 5.0 | CO | EF |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR *TUNING RANGE | POWER IN | | MIN. POWER OUT *PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MH | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| PS-12 | OSC | 0.5 | 1.0 | ME | | | | | | | | | 5 | 5.0 | CO | EF |
| S05-1200-15 | TRA | <1.2 | 1.2 | FX | 50 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S05-1200-20 | TRA | <1.2 | 1.2 | FX | 50 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S-6 | PAR | *3.0 | | FX | 600 | 12 | 500 | | 12 | 2 | | | | | | SK |
| S-7 | PAR | *3.0 | | FX | 850 | 12 | 500 | | 14 | <2 | | | | | | SK |
| S-8 | PAR | *2.5 | | MC | 25 | 12 | 500 | | 20 | <1 | | | | | | SK |
| S10-1300-15 | TRA | <1.3 | <1.4 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S10-1300-20 | TRA | <1.3 | <1.4 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S10-1400-15 | TRA | <1.4 | <1.5 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S10-1400-20 | TRA | <1.4 | <1.5 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S10-1500-15 | TRA | <1.5 | <1.6 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S10-1500-20 | TRA | <1.5 | <1.6 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S10-1600-15 | TRA | <1.6 | <1.7 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-1600-20 | TRA | <1.6 | <1.7 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-1700-15 | TRA | <1.7 | <1.8 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-1700-20 | TRA | <1.7 | <1.8 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-1800-15 | TRA | <1.8 | <1.9 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-1800-20 | TRA | <1.8 | <1.9 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-1900-15 | TRA | <1.9 | <2.0 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-1900-20 | TRA | <1.9 | <2.2 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-2000-15 | TRA | <2.0 | <2.1 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-2000-20 | TRA | <2.0 | <2.1 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-2100-15 | TRA | <2.1 | <2.2 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-2100-20 | TRA | <2.1 | <2.2 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-1300-15 | TRA | 1.2 | 1.4 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S20-1300-20 | TRA | 1.2 | 1.4 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S20-1400-15 | TRA | 1.3 | 1.5 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S20-1400-20 | TRA | 1.3 | 1.5 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S20-1500-15 | TRA | 1.4 | 1.6 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-1500-20 | TRA | 1.4 | 1.6 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-1600-15 | TRA | 1.5 | 1.7 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-1600-20 | TRA | 1.5 | 1.7 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-1700-15 | TRA | 1.6 | 1.8 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-1700-20 | TRA | 1.6 | 1.8 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-2200-15 | TRA | 2.1 | 2.3 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-2200-20 | TRA | 2.1 | 2.3 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-2400-15 | TRA | 2.3 | 2.5 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-2400-20 | TRA | 2.3 | 2.5 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S50-3950-20 | TRA | 3.7 | 4.2 | FX | 500 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S103V | OSC | 0.3 | 0.7 | VT | 150 | 28 | 1A | #10W | | | | | | | CO | AC |
| S229 | GOS | 9.0 | 10.0 | FX | | 10 | 250 | 12 | | | | | <2 | 6.0 | | RC |
| S262 | GOS | *8.7 | | FX | | -10 | 150 | 20 | 20 | 10 | | | <1 | 1.0 | | RC |
| S272 | GOS | *8.7 | | MC | 200 | -10 | 160 | 20 | 20 | 10 | | | 1 | 3.0 | | RC |
| S278 | GOS | 8.0 | 10.0 | VT | 270 | -10 | 150 | 1 | | | | | 1 | 3.0 | | RC |
| S279 | GOS | 8.0 | 10.0 | VT | 450 | -10 | 150 | 5 | | | | | 5 | 6.0 | | RC |
| S283 | GOS | *8.7 | | MC | 200 | -10 | 510 | 100 | 20 | 10 | | | <1 | 3.0 | | RC |
| S285 | GOS | *5.6 | | FX | | 14 | 160 | 125 | | | | | 1 | 2.5 | | RC |
| S289 | IPO | *10.5 | | | | 10 | 120 | 25 | | | 30 | 80 | 2 | 2.5 | WG | RC |
| S291 | GOS | *8.7 | | MC | 200 | -10 | 550 | 100 | | | | | 1 | 4.0 | | RC |
| S293 | IPO | *10.0 | | VT | 600 | -9 | 210 | 10 | | | 40 | 75 | 3 | 8.0 | CO | RC |
| S294 | IPO | *12.0 | | VT | | -7 | 185 | 10 | | | 54 | 75 | <1 | 1.5 | CO | RC |
| S301 | GOS | 8.0 | 10.0 | FX | | 10 | 120 | 10 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S302 | GOS | 10.0 | 12.0 | FX | | 10 | 120 | 10 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S303 | GOS | 8.0 | 10.0 | FX | | 10 | 120 | 30 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S304 | GOS | 10.0 | 12.0 | FX | | 10 | 120 | 30 | | | 30 | 80 | <3 | 2.5 | WG | RC |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT *PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| S305 | GOS | 8.0 | 10.0 | FX | | 10 | 300 | 60 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S306 | GOS | 10.0 | 12.0 | FX | | 10 | 300 | 60 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S307 | GOS | 8.0 | 10.0 | FX | | 10 | 600 | 120 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S308 | GOS | 10.0 | 12.0 | FX | | 10 | 600 | 120 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S319 | GOS | 8.0 | 10.0 | FX | | 20 | 1A | #1W | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S320 | GOS | 10.0 | 12.0 | FX | | 20 | 1A | #1W | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S321 | GOS | 8.0 | 10.0 | FX | | 30 | 4A | #5W | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S322 | GOS | 10.0 | 12.0 | FX | | 30 | 4A | #5W | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S323 | GOS | 4.0 | 6.0 | FX | | 13 | 150 | 10 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S324 | GOS | 6.0 | 8.0 | FX | | 13 | 150 | 10 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S325 | GOS | 4.0 | 6.0 | FX | | 13 | 200 | 30 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S326 | GOS | 6.0 | 8.0 | FX | | 13 | 200 | 30 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S327 | GOS | 4.0 | 6.0 | FX | | 13 | 240 | 60 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S328 | GOS | 6.0 | 8.0 | FX | | 13 | 240 | 60 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S329 | GOS | 4.0 | 6.0 | FX | | 13 | 480 | 120 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S330 | GOS | 6.0 | 8.0 | FX | | 13 | 480 | 120 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S331 | GOS | 4.0 | 6.0 | FX | | 50 | 500 | #1W | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S332 | GOS | 6.0 | 8.0 | FX | | 50 | 500 | #1W | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S333 | GOS | 4.0 | 6.0 | FX | | 50 | 25H | #5W | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S334 | GOS | 6.0 | 8.0 | FX | | 50 | 25H | #5W | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S335 | GOS | 4.0 | 6.0 | FX | | 50 | 35H | #10W | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S-1002-6 | OSX | 0.6 | 0.8 | | | 24 | | 1W | | | 30 | 60 | 21 | | CO | AC |
| S-1002-8 | OSX | 0.8 | 1.0 | | | 24 | | 1W | | | 30 | 60 | 21 | | CO | AC |
| S-1002-10 | OSX | 1.0 | 1.2 | | | 24 | | 1W | | | 30 | 60 | 21 | | CO | AC |
| S1007 | OSC | 1.0 | 3.0 | | | | | 75 | | | | | 19 | | CO | AC |
| SMA-400N | AMP | *0.4 | | | 100 | 15 | | | 25 | 3 | | | <3 | | CO | SM |
| SMA-400NM | AMP | *0.4 | | | 100 | 15 | | | 25 | 3 | | | <1 | | CO | SM |
| SMA-550V | AMP | *>0.5 | | | 100 | 28 | | | 17 | 5 | | | 4 | | CO | SM |
| SMA-550VA | AMP | *>0.5 | | | 100 | 28 | | | 24 | 5 | | | 5 | | CO | SM |
| SMA1500N | AMP | >1.4 | >1.5 | | | 115 | | | 20 | 5 | | | 48 | | CO | SM |
| SMA1500ND | AMP | >1.4 | >1.5 | | | 24 | | | 20 | 5 | | | 13 | | CO | SM |
| SMA1500NA | AMP | >1.4 | >1.5 | | | 115 | | | 20 | <5 | | | 48 | | CO | SM |
| SMA1500NAD | AMP | >1.4 | >1.5 | | | 24 | | | 20 | <5 | | | 13 | | CO | SM |
| SMA1550P | AMP | *>1.5 | | | 50 | 24 | | 500 | 27 | | | | 38 | | CO | SM |
| SMA1600N | AMP | >1.5 | >1.6 | | | 24 | | | 20 | 5 | | | 13 | | CO | SM |
| SMA1600P2 | AMP | *1.6 | | | 20 | 28 | | 1700 | 39 | | | | 38 | | CO | SM |
| SMA1600P5 | AMP | *1.6 | | | 40 | 28 | | 5W | 45 | | | | 53 | | CO | SM |
| SMA1607-5W | AMP | *>1.6 | | | 40 | 28 | | 5W | 45 | | | | 53 | | CO | SM |
| SMA2115V | AMP | *>2.1 | | | 40 | 9 | | | 10 | 5 | | | 2 | | CO | SM |
| SMA2250N | AMP | *>2.2 | | | 100 | 12 | | | 15 | 5 | | | 3 | | CO | SM |
| SP-300/200 | PRE | 0.2 | 0.4 | | | 12 | 20 | *0 | 30 | 4 | | | 6 | | CO | AP |
| SP-375/250 | PRE | 0.3 | 0.5 | | | 12 | 20 | *0 | 30 | 4 | | | 6 | | CO | AP |
| SP-450/300 | PRE | 0.3 | 0.6 | | | 12 | 30 | *-3 | 30 | 5 | | | 6 | | CO | AP |
| SP-650/700 | PRE | 0.3 | 1.0 | | | 12 | 36 | *-3 | 25 | 6 | | | 6 | | CO | AP |
| SP-750/500 | PRE | 0.5 | 1.0 | | | 12 | 28 | *-3 | 25 | 6 | | | 6 | | CO | AP |
| SP-1500/1000 | PRE | 1.0 | 2.0 | | | 12 | 40 | *+3 | 25 | 7 | | | <2 | | CO | AP |
| SP-2250/1500 | PRE | 1.5 | 3.0 | | | 12 | 50 | *0 | 25 | 9 | | | <2 | | CO | AP |
| SP-3000/2000 | PRE | 2.0 | 4.0 | | | 12 | 50 | *0 | 20 | 10 | | | <3 | | CO | AP |
| SPS1500/1000 | PRE | 1.0 | 2.0 | | | 115 | 2W | *0 | 25 | 9 | | | 18 | | CO | AP |
| SPS3000/2000 | PRE | 2.0 | 4.0 | | | 115 | 2W | *0 | 20 | 10 | | | 18 | | CO | AP |
| SSJ9 SERIES | OSC | 12.4 | 14.0 | VT | 250 | -30 | 80 | <3 | | | 20 | 60 | 6 | 8.0 | WG | GC |
| SSX-8 | OSC | 8.0 | 10.5 | VT | 400 | 18 | 80 | 4 | | | 20 | 60 | 6 | 4.0 | WG | GC |
| SW-7 | OSC | *4.1 | | FX | | 12 | 30 | 80 | | | | | | | | SK |
| SWA-7075-5 | GOS | 7.0 | 7.5 | MC | 500 | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-7075-10 | GOS | 7.0 | 7.5 | MC | 500 | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT #PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| SWA-7075-15 | GOS | 7.0 | 7.5 | MC | 500 | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-7075-20 | GOS | 7.0 | 7.5 | MC | 500 | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| SWA-7580-5 | GOS | 7.5 | 8.0 | MC | 500 | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-7580-10 | GOS | 7.5 | 8.0 | MC | 500 | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-7580-20 | GOS | 7.5 | 8.0 | MC | 500 | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8085-5 | GOS | 8.0 | 8.5 | MC | 500 | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8085-10 | GOS | 8.0 | 8.5 | MC | 500 | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8085-15 | GOS | 8.0 | 8.5 | MC | 500 | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8085-20 | GOS | 8.0 | 8.5 | MC | 500 | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8595-5 | GOS | 8.5 | 9.5 | MC | 1K | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8595-10 | GOS | 8.5 | 9.5 | MC | 1K | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8595-15 | GOS | 8.5 | 9.5 | MC | 1K | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8595-20 | GOS | 8.5 | 9.5 | MC | 1K | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| SWA-95105-5 | GOS | 9.5 | 10.5 | MC | 1K | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-95105-10 | GOS | 9.5 | 10.5 | MC | 1K | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-95105-15 | GOS | 9.5 | 10.5 | MC | 1K | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-95105-20 | GOS | 9.5 | 10.5 | MC | 1K | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| SWA-105115-5 | GOS | 10.5 | 11.5 | MC | 1K | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-105115-10 | GOS | 10.5 | 11.5 | MC | 1K | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-105115-15 | GOS | 10.5 | 11.5 | MC | 1K | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-105115-20 | GOS | 10.5 | 11.5 | MC | 1K | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| SWA-11512S-5 | GOS | 11.5 | 12.5 | MC | 1K | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-115125-10 | GOS | 11.5 | 12.5 | MC | 1K | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-115125-15 | GOS | 11.5 | 12.5 | MC | 1K | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-115125-20 | GOS | 11.5 | 12.5 | MC | 1K | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| SWA-125135-5 | GOS | 12.5 | 13.5 | MC | 1K | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-125135-10 | GOS | 12.5 | 13.5 | MC | 1K | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-125135-15 | GOS | 12.5 | 13.5 | MC | 1K | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-125135-20 | GOS | 12.5 | 13.5 | MC | 1K | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| SYA3200 | ADO | 8.2 | 12.4 | MC | 250 | -50 | 25 | 10 | | | 30 | 71 | 2 | | WG | AT |
| SYA3200A | ADO | 8.2 | 12.4 | MC | 250 | -50 | 25 | 25 | | | 30 | 71 | 2 | | WG | AT |
| SYA3200B | ADO | 8.2 | 12.4 | MC | 250 | -50 | 25 | 50 | | | 30 | 71 | 2 | | WG | AT |
| SYA3201 | ADO | 8.2 | 12.4 | MC | 250 | -70 | 25 | 10 | | | 30 | 71 | <1 | | CO | AT |
| SYA3201A | ADO | 8.2 | 12.4 | MC | 250 | -70 | 25 | 25 | | | 30 | 71 | <1 | | CO | AT |
| SYA3201B | ADO | 8.2 | 12.4 | MC | 250 | -70 | 25 | 50 | | | 30 | 71 | <1 | | CO | AT |
| SYA3205 | ADO | 8.2 | 12.4 | MC | 250 | 110 | 60 | 100 | | | 30 | 71 | | | CO | AT |
| SYA3205A | ADO | 8.2 | 12.4 | MC | 100 | 110 | 80 | 250 | | | 30 | 71 | | | CO | AT |
| SYA3205B | ADO | 8.2 | 12.4 | MC | 75 | 110 | 120 | 500 | | | 30 | 71 | | | CO | AT |
| SYA-3205 | ADO | 8.2 | 12.4 | MC | 250 | 110 | 60 | 100 | | | 30 | 71 | <1 | 1.0 | WG | AT |
| SYA-3205A | ADO | 8.2 | 12.4 | MC | 100 | 110 | 80 | 250 | | | 30 | 71 | <1 | 1.0 | WG | AT |
| SYA-3205B | ADO | 8.2 | 12.4 | MC | 75 | 110 | 120 | 500 | | | 30 | 71 | <1 | 1.0 | WG | AT |
| SYA-3220 | ADO | *10.5 | | | | 120 | 60 | 100 | | | 30 | 71 | 1 | 4.0 | WG | AT |
| SYG-2001 SERIES | MUL | 26.0 | 37.2 | FX | 200 | | | 90 | | | 55 | 85 | 3 | 6.0 | WG | AT |
| SYG-2010 SERIES | MUL | 18.0 | 24.8 | FX | 300 | | | 125 | | | 55 | 85 | 3 | 6.0 | WG | AT |
| SYG2030 | ADO | 18.0 | 24.8 | MC | 60 | 120 | 80 | 40 | | | 30 | 71 | 9 | 8.0 | WG | AT |
| SYG2030A | ADO | 18.0 | 24.8 | MC | 60 | 120 | 80 | 100 | | | 30 | 71 | 9 | 8.0 | WG | AT |
| SYG2035 | ADO | 26.0 | 37.2 | MC | 90 | 120 | 80 | 40 | | | 30 | 71 | 9 | 8.0 | WG | AT |
| SYG2035A | ADO | 26.0 | 37.2 | MC | 90 | 120 | 80 | 100 | | | 30 | 71 | 9 | 8.0 | WG | AT |
| SYM8410 SERIES | MIA | 5.5 | 8.5 | | | 12 | 40 | *+5 | 30 | <9 | 65 | 125 | 2 | | CO | AT |
| SYM8420 SERIES | MIA | 8.5 | 11.5 | | | 12 | 40 | *+5 | 30 | 9 | 65 | 125 | 2 | | CO | AT |
| SYM8430 SERIES | MIA | 10.7 | 13.2 | | | 12 | 40 | *+5 | 30 | 9 | 65 | 125 | 2 | | CO | AT |
| T-425/S | AMP | 0.9 | 1.2 | | 5% | 29 | | 430W | 30 | | | | 13 | 15.0 | CO | AC |
| TQN-101 | TRA | <0.2 | >0.3 | | | 20 | 35 | | 20 | 3 | 50 | 70 | 6 | | CO | MS |
| TQN-102 | TRA | <1.4 | <1.5 | | | 20 | 35 | | 20 | 5 | 50 | 70 | 15 | | CO | MS |
| TQN-102A | TRA | <1.4 | <1.5 | | | 20 | 35 | | 20 | <5 | 50 | 70 | 15 | | CO | MS |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR *TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| TQN-103 | TRA | 2.2 | 2.3 | | | 20 | 35 | | 20 | 6 | 50 | 70 | 15 | | CO | MS |
| TQN-103A | TRA | 2.2 | 2.3 | | | 20 | 35 | | 20 | <6 | 50 | 70 | 15 | | CO | MS |
| TQN-104 | TRA | <1.4 | <1.5 | | | 20 | 35 | | 25 | <5 | 50 | 70 | 15 | | CO | MS |
| TQN-105 | TRA | 2.2 | 2.3 | | | 20 | 35 | | 25 | <6 | 50 | 70 | 15 | | CO | MS |
| TQN-1485 | TRA | >1.4 | >1.5 | | | | | | 15 | >4 | | | 3 | 6.0 | CO | MS |
| TQN-2250 | TRA | 2.2 | 2.3 | | | 20 | 30 | | 15 | <6 | | | 3 | 6.0 | CO | MS |
| TQO-102 | TRA | <0.3 | 0.5 | | | 20 | 35 | | 25 | <5 | 50 | 70 | 16 | | CO | MS |
| TQO-103 | TRA | 0.5 | 1.0 | | | 20 | 35 | | 25 | <7 | 50 | 70 | 14 | | CO | MS |
| TQO-104 | TRA | 1.0 | 2.0 | | | 20 | 35 | | 20 | <7 | 50 | 70 | 15 | | CO | MS |
| TQW-1450 | TRA | 1.4 | 2.3 | | | 20 | 30 | | 10 | <6 | | | 3 | 6.0 | CO | MS |
| TQW1804 | TRA | 1.4 | 2.3 | | | 20 | 35 | | >5 | 10 | 50 | 70 | 15 | | CO | MS |
| TQW1805 | TRA | 1.4 | 2.3 | | | 20 | 35 | | 11 | 10 | 50 | 70 | 15 | | CO | MS |
| TQW1806 | TRA | 1.4 | 2.3 | | | 20 | 35 | | >16 | 10 | 50 | 70 | 15 | | CO | MS |
| TQW1807 | TRA | 1.4 | 2.3 | | | 20 | 35 | | 22 | 10 | 50 | 70 | 15 | | CO | MS |
| J-107 | TRA | *0.4 | | FX | 20 | 12 | 20 | | 35 | 2 | | | | | | SK |
| JH-2(TX)-1347 | AMP | *1.3 | | | 50 | 28 | 850 | 10W | 10 | | | | 44 | | CO | AR |
| JHC3100/475 | MIA | *3.1 | | | | 15 | 40 | *+10 | 22 | 9 | | | | | CO | AR |
| JHF-5 | PAR | *0.4 | | MC | 20 | 12 | 500 | | 16 | 1 | | | | | | SK |
| JHM-3(TX)-4965-3 | AMM | *5.0 | | | | 28 | 450 | 1250 | | | | | 247 | 70.0 | | AR |
| VM-4.85/1700-2 | MJL | 4.0 | 5.7 | | | | | 10 | | | | | 162 | 44.0 | CO | AR |
| VM-6.85/2300-2 | MJL | 5.7 | 8.0 | | | | | 10 | | | | | 75 | 35.0 | CO | AR |
| VSJ3814-1000 | AMP | <0.9 | <1.2 | | | 28 | 600 | 400 | | | 10 | 85 | 36 | 26.0 | CO | TP |
| VSJ9075 | YTO | 12.3 | 18.1 | | | 15 | 700 | 5 | | | 0 | 50 | | 28.0 | CO | VA |
| VSJ9076 | YTO | 12.3 | 18.1 | | | 15 | 700 | 5 | | | 0 | 50 | | 28.0 | CO | VA |
| VSJ9502A | IPO | *12.4 | 15.0 | FX | | 70 | 40 | 25 | | | 20 | 70 | 1 | 4.0 | WG | VA |
| VSJ9502AT | IPO | *12.4 | 15.0 | MC | | 70 | 40 | 25 | | | 20 | 70 | 1 | 4.0 | WG | VA |
| VSJ9502B | IPO | *12.4 | 15.0 | FX | | 70 | 45 | 50 | | | 20 | 70 | 1 | 4.0 | WG | VA |
| VSJ9502BT | IPO | *12.4 | 15.0 | MC | | 70 | 45 | 50 | | | 20 | 70 | 1 | 4.0 | WG | VA |
| VSJ9502C | IPO | *12.4 | 15.0 | FX | | 70 | 50 | 100 | | | 20 | 50 | 1 | 4.0 | WG | VA |
| VSJ9502CT | IPO | *12.4 | 15.0 | MC | | 70 | 60 | 100 | | | 20 | 50 | 1 | 4.0 | WG | VA |
| VSJ9502E | IPO | *12.4 | 15.0 | FX | | 70 | 70 | 150 | | | 20 | 50 | 1 | 4.0 | WG | VA |
| VSJ9502F | IPO | *12.4 | 15.0 | FX | | 70 | 80 | 200 | | | 20 | 50 | 1 | 4.0 | WG | VA |
| VSJ9503A | IPO | *15.0 | 18.0 | FX | | 90 | 40 | 25 | | | 20 | 70 | 1 | 4.0 | WG | VA |
| VSJ9503AT | IPO | *15.0 | 18.0 | MC | | 70 | 30 | 25 | | | 20 | 70 | 1 | 4.0 | WG | VA |
| VSJ9503B | IPO | *15.0 | 18.0 | FX | | 90 | 50 | 50 | | | 20 | 50 | 1 | 4.0 | WG | VA |
| VSJ9503BT | IPO | *15.0 | 18.0 | MC | | 70 | 50 | 50 | | | 20 | 50 | 1 | 4.0 | WG | VA |
| VSX9070 | YTO | 5.0 | 12.4 | | | 15 | 600 | 10 | | | 0 | 50 | 10 | 28.0 | CO | VA |
| VSX9071 | YTO | 7.9 | 12.4 | | | 17 | 600 | 10 | | | 0 | 50 | | 28.0 | CO | VA |
| VSX9500A | IPO | *8.0 | 10.0 | FX | | 90 | 30 | 25 | | | 20 | 70 | >1 | 4.0 | WG | VA |
| VSX9500AT | IPO | *8.0 | 10.0 | MC | | 95 | 30 | 25 | | | 20 | 70 | >1 | 4.0 | WG | VA |
| VSX9500B | IPO | *8.0 | 10.0 | FX | | 90 | 50 | 50 | | | 20 | 70 | >1 | 4.0 | WG | VA |
| VSX9500BT | IPO | *8.0 | 10.0 | MC | | 95 | 50 | 50 | | | 20 | 70 | >1 | 4.0 | WG | VA |
| VSX9500C | IPO | *8.0 | 10.0 | FX | | 90 | 60 | 100 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| VSX9500CT | IPO | *8.0 | 10.0 | MC | | 95 | 60 | 100 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| VSX9500E | IPO | *8.0 | 10.0 | FX | | 90 | 65 | 150 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| VSX9500ET | IPO | *8.0 | 10.0 | MC | | 95 | 65 | 150 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| VSX9500F | IPO | *8.0 | 10.0 | FX | | 90 | 70 | 200 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| VSX9501A | IPO | *10.0 | 12.4 | FX | | 95 | 30 | 25 | | | 20 | 70 | >1 | 4.0 | WG | VA |
| VSX9501B | IPO | *10.0 | 12.4 | FX | | 95 | 50 | 50 | | | 20 | 70 | >1 | 4.0 | WG | VA |
| VSX9501C | IPO | *10.0 | 12.4 | FX | | 95 | 60 | 100 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| VSX9501E | IPO | *10.0 | 12.4 | FX | | 95 | 65 | 150 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| VSX9501F | IPO | *10.0 | 12.4 | FX | | 95 | 70 | 200 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| VT-0451 | OSC | <0.3 | 0.5 | VT | | -30 | | 50 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-0452 | OSC | <0.3 | 0.5 | VT | | -30 | | 500 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-0531 | OSC | <0.4 | <0.8 | VT | | -30 | | 30 | | | 20 | 60 | 3 | 2.5 | CO | SC |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| VT-0532 | OSC | <0.4 | <0.8 | VT | | -30 | | 300 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-0712 | OSC | 0.5 | 1.0 | VT | | -30 | | 100 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-0722 | OSC | 0.5 | 1.0 | VT | | -30 | | 250 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-0751 | OSC | 0.5 | 1.0 | VT | | -30 | | 50 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-0752 | OSC | 0.5 | 1.0 | VT | | -30 | | 500 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-1131 | OSC | <0.8 | 1.5 | VT | | -30 | | 30 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-1132 | OSC | <0.8 | 1.5 | VT | | -30 | | 300 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-1522 | OSC | 1.0 | 2.0 | VT | | -30 | | 250 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-2212 | OSC | 1.5 | 3.0 | VT | | -30 | | 100 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-3021 | OSC | 2.0 | 4.0 | VT | | -30 | | 25 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-3051 | OSC | 2.0 | 4.0 | VT | | -30 | | 50 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VT-3141 | OSC | 2.1 | 4.2 | VT | | -30 | | 40 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| VJ1414A SERIES | GOS | 12.4 | 18.0 | MC | 100 | 8 | 500 | 25 | | | 54 | 70 | 2 | 3.0 | WG | MA |
| VJ1717B SERIES | GOS | 12.4 | 18.0 | MC | 100 | 8 | 800 | 50 | | | 54 | 70 | 2 | 3.0 | WG | MA |
| VJ2020C SERIES | GOS | 12.4 | 18.0 | MC | 100 | 8 | 12H | 100 | | | 54 | 70 | 2 | 3.0 | WG | MA |
| VX1717BP | GOS | *10.5 | | MC | 1% | 12 | | 50 | | | 20 | 38 | 3 | 3.0 | WG | MA |
| VX2020 SERIES | GOS | 8.2 | 12.4 | MC | 20% | 12 | 750 | 100 | | | 40 | 90 | 3 | 3.0 | WG | MA |
| WJ569 | YTO | 1.0 | 2.0 | YT | OCT | 15 | 60 | 20 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| WJ569-1 | YTO | 1.0 | 2.0 | YT | OCT | 15 | 60 | 10 | | | 30 | 65 | <3 | 9.0 | CO | WJ |
| WJ569-2 | YTO | 1.0 | 2.2 | YT | OCT | 15 | 60 | 20 | | | | | 3 | 9.0 | CO | WJ |
| WJ569-3 | YTO | 1.0 | 2.0 | YT | OCT | 15 | 60 | 50 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| WJ571 | YTO | 0.5 | 1.0 | | | 15 | 60 | 20 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| WJ571-1 | YTO | 0.5 | 1.0 | YT | OCT | 15 | 60 | 100 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| WJ571-6 | YTO | 0.6 | 1.2 | | | 15 | 60 | 50 | | | | | 3 | 9.0 | CO | WJ |
| WJ571-10 | YTO | <0.8 | <0.9 | | | 24 | 530 | 60 | | | 0 | 50 | 30 | 24.0 | CO | WJ |
| WJ571-11 | YTO | <0.6 | >1.5 | | | 15 | 60 | 20 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| WJ572 | YTO | 2.0 | 4.0 | YT | OCT | 15 | 60 | 6 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| WJ572-13 | YTO | 2.0 | 2.4 | | | 15 | 60 | 4 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| WJ572-19 | YTO | <1.6 | >3.1 | | | 15 | 700 | 10 | | | 0 | 50 | 16 | 20.0 | CO | WJ |
| WJ572-32 | YTO | 2.0 | 3.0 | | | 15 | 60 | 4 | | | | | 3 | 9.0 | CO | WJ |
| WJ572-33 | YTO | 3.0 | 4.0 | | | 15 | 60 | 4 | | | | | 3 | 9.0 | CO | WJ |
| WJ-736 | TRA | 0.5 | 1.0 | | | -15 | <1W | *10 | 25 | 4 | | | 4 | 3.0 | CO | WJ |
| WJ-737 | TRA | 1.0 | 2.0 | | | -15 | <1W | *0 | 25 | 6 | | | 4 | 3.0 | CO | WJ |
| WJ737-14 | TRA | >1.4 | >1.5 | | | -15 | | *0 | 25 | <6 | | | <4 | 3.0 | CO | WJ |
| WJ-738 | TRA | 0.5 | 1.0 | | | 115 | <2W | *10 | 25 | 4 | | | <9 | 6.0 | CO | WJ |
| WJ-739 | TRA | 1.0 | 2.0 | | | 115 | <2W | *0 | 25 | 6 | | | <9 | 6.0 | CO | WJ |
| WJ739-14 | TRA | 1.0 | 2.0 | | | 115 | | *0 | 28 | 5 | | | <9 | 9.0 | CO | WJ |
| WJ739-15 | TRA | 1.0 | 2.0 | | | 115 | | *10 | 35 | 8 | | | <22 | 22.0 | CO | WJ |
| WJ-740 | TRA | 0.5 | 1.0 | | | 115 | <2W | 1 | 28 | 4 | | | 18 | 10.0 | CO | WJ |
| WJ-741 | TRA | 1.0 | 2.0 | | | 115 | <2W | 4 | 28 | 5 | | | 18 | 10.0 | CO | WJ |
| WJ772-5 | TRA | 2.2 | 2.3 | | | 115 | | *5 | 25 | 6 | 30 | 65 | 12 | 9.0 | CO | WJ |
| WJ780 | TRA | 1.0 | 2.6 | | | 115 | | 5 | 27 | 7 | | | <12 | 9.0 | CO | WJ |
| WJ799 | MUL | 2.0 | 12.4 | | | | >1W | 10 | | | 0 | 50 | 10 | 44.0 | CO | WJ |
| WJ1134 | AMP | 0.5 | 1.0 | YT | 15 | | | *-5 | 20 | 8 | | | 53 | 90.0 | CO | WJ |
| WJ1135 | AMP | 1.2 | 2.0 | YT | 25 | | | *0 | 20 | 8 | | | 53 | 30.0 | CO | WJ |
| WJ1136 | AMP | 2.0 | 4.0 | YT | 25 | | | *-5 | 20 | 11 | | | 53 | 90.0 | CO | WJ |
| WJ2800 | VTO | 0.5 | 1.0 | VT | | 24 | 200 | 100 | | | | | 4 | 6.0 | CO | WJ |
| WJ2802 | VTO | 1.0 | 2.0 | VT | | 15 | 250 | 30 | | | | | 4 | 6.0 | CO | WJ |
| WJ2803 | VTO | 1.0 | 2.0 | VT | | 15 | 250 | 100 | | | | | 4 | 6.0 | CO | WJ |
| WJ2804 | VTO | 2.0 | 4.0 | VT | | 15 | 200 | 20 | | | | | 4 | 6.0 | CO | WJ |
| WJ2805 | VTO | 2.0 | 4.0 | VT | | 15 | 200 | 40 | | | | | 4 | 6.0 | CO | WJ |
| WJ2805-8 | VTO | <2.2 | <3.7 | VT | | 15 | 200 | 60 | | | | | 4 | 6.0 | CO | WJ |
| WJ2806-6 | OSC | 4.0 | 6.0 | | | 15 | 200 | 20 | | | | | 4 | 6.0 | CO | WJ |
| WJ2806-8 | OSC | 6.0 | 8.0 | | | 15 | 200 | 20 | | | | | 4 | 6.0 | CO | WJ |
| WJ2810 | VTO | 1.4 | 2.4 | VT | | 15 | 250 | 40 | | | | | 4 | 6.0 | CO | WJ |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR *TUNING RANGE | POWER IN | | MIN. POWER OUT #PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| WJ2811 | VTO | <0.3 | 0.5 | VT | | 24 | 200 | 100 | | | | | 4 | 6.0 | CO | WJ |
| WJ2813-3 | VTO | <1.2 | >1.3 | VT | | 15 | 200 | 100 | | | | | 4 | 6.0 | CO | WJ |
| WJ3017 | AMP | 2.0 | 4.0 | YT | 25 | | | *+7 | 30 | 11 | | | 150 | 160 | CO | WJ |
| WJ3018 | AMP | 4.0 | 8.0 | YT | 30 | | | *+7 | 30 | <12 | | | 150 | 160 | CO | WJ |
| WJ3019 | AMP | 8.0 | 12.0 | YT | 30 | | | *+7 | 30 | <12 | | | 150 | 160 | CO | WJ |
| WJ3020 | AMP | 12.0 | 18.0 | YT | 35 | | | *+7 | 30 | 14 | | | 171 | 176 | CO | WJ |
| WJ3021 | AMP | 0.5 | 2.0 | YT | 15 | | | *-5 | 20 | 14 | | | 374 | 400 | CO | WJ |
| WJ3022 | AMP | 4.0 | 12.0 | YT | 25 | | | *-5 | 25 | 14 | | | 193 | 210 | CO | WJ |
| WJ3023 | AMP | 2.0 | 8.0 | YT | 25 | | | *-5 | 20 | <13 | | | 374 | 400 | CO | WJ |
| WJ3024 | AMP | 8.0 | 18.0 | YT | 30 | | | *-5 | 20 | 14 | | | 374 | 400 | CO | WJ |
| WJ5004-2 | TRA | 2.0 | 4.0 | | | 115 | | *10 | 30 | <9 | | | 22 | 22.0 | CO | WJ |
| WJ5004-3 | TRA | 3.7 | 4.2 | | | -48 | | *0 | 15 | 9 | | | <8 | 3.0 | CO | WJ |
| WJ5004-4 | TRA | 2.0 | 4.0 | | | 115 | 30 | *5 | 25 | 7 | | | 12 | 6.0 | CO | WJ |
| WJ5008 | YTO | 8.0 | 12.4 | YT | | 9 | 800 | 10 | | | 0 | 65 | <9 | 34.0 | CO | WJ |
| WJ5008-3 | YTO | 7.0 | 11.0 | YT | | 9 | 800 | 10 | | | 0 | 65 | <9 | 34.0 | CO | WJ |
| WJ5008-4 | YTO | 8.5 | 9.6 | YT | | 9 | 800 | 20 | | | 0 | 65 | <9 | 34.0 | CO | WJ |
| WJ5008-18 | OSC | 8.0 | 12.4 | YT | | -15 | 700 | 10 | | | | | <9 | 36.0 | CO | WJ |
| WJ5041 | YTO | 12.4 | 18.0 | YT | | 9 | 800 | 7 | | | 0 | 65 | <9 | 34.0 | CO | WJ |
| WJ5041-4 | YTO | 10.0 | 18.0 | YT | | 9 | 800 | 3 | | | 0 | 65 | <9 | 34.0 | CO | WJ |
| WJ5041-5 | YTO | 15.5 | 16.5 | YT | | 9 | 800 | 20 | | | 0 | 65 | <9 | 34.0 | CO | WJ |
| WJ5041-8 | OSC | 12.4 | 18.0 | YT | OCT | -15 | 700 | 5 | | | | | <9 | 36.0 | CO | WJ |
| WJ5059 | AMM | 2.0 | 12.4 | YT | | 15 | 900 | 10 | | | 0 | 50 | 270 | 168 | CO | WJ |
| WJ5060 | AMM | 1.0 | 12.4 | YT | | 15 | 900 | 10 | | | 0 | 50 | 270 | 176 | CO | WJ |
| WJ5077 | YTO | 0.5 | 1.0 | YT | OCT | 15 | 245 | 20 | | | | | <16 | 20.0 | CO | WJ |
| WJ5078 | YTO | 1.0 | 2.0 | YT | OCT | 15 | 440 | 15 | | | | | <16 | 20.0 | CO | WJ |
| WJ5079 | YTO | 2.0 | 4.0 | YT | OCT | 15 | 840 | 5 | | | | | <16 | 20.0 | CO | WJ |
| WJ5090-4 | TRA | 2.0 | 4.5 | | | 115 | | *+5 | 25 | <8 | | | 9 | 6.0 | CO | WJ |
| WJ6007 | TRA | 1.0 | 4.0 | | | 115 | | *+5 | 25 | <8 | | | 9 | 6.0 | CO | WJ |
| X-2 | PAR | *8.2 | | MC | 20 | 12 | 500 | | 20 | 3 | | | | | | SK |
| X-6 | PAR | *8.0 | | FX | 1K | 12 | 500 | | 14 | <3 | | | | | | SK |
| X-7 | PAR | *9.3 | | FX | 1K | 12 | 500 | | 15 | <3 | | | | | | SK |
| X-10 | PAR | *9.3 | | FX | 200 | 12 | 500 | | 20 | 3 | | | | | | SK |
| X-11 | PAR | *8.4 | | MC | 30 | 12 | 500 | | 20 | <3 | | | | | | SK |
| 224 | AMP | 0.8 | 0.9 | | 100 | 28 | | 50W | 27 | | 20 | 50 | 35 | 14.0 | CO | AC |
| 428 | OSC | 9.5 | 11.0 | VT | 400 | 28 | 100 | 5 | | | | | | | | AK |
| 429 | OSC | 8.0 | 10.0 | VT | 400 | 28 | 100 | 5 | | | | | | | | AK |
| 430A | OSC | 1.0 | 1.2 | VT | 100 | 24 | 250 | 1W | | | 40 | 70 | 3 | | CO | AK |
| 430B | OSC | 1.3 | 1.5 | VT | 100 | 24 | 250 | 1W | | | 40 | 70 | 3 | | CO | AK |
| 433 | OSC | 8.5 | 10.0 | VT | 350 | 28 | 140 | 10 | | | | | | | | AK |
| 438 | OSC | 8.5 | 9.7 | VT | 400 | | | 10 | | | | | | | | AK |
| 444 | OSC | 8.5 | 9.7 | VT | 400 | | | 10 | | | | | | | | AK |
| 453 | GOS | 7.0 | 8.0 | MC | | 8 | 350 | 5 | | | | | 7 | 8.0 | WG | AK |
| 1135-MOR | OSC | *1.1 | | MC | 10 | 42 | 3A | #35W | | | 54 | 81 | <4 | 6.0 | CO | CL |
| 3800-9200 | AMM | 13.2 | 14.0 | | 400 | 28 | 500 | 50 | | | +5 | 35 | 98 | 92.0 | CO | TR |
| 3800-9202 | AMM | 14.4 | 15.2 | | 400 | 28 | 500 | 50 | | | +5 | 35 | 98 | 92.0 | CO | TR |
| 4002 | CSO | <0.8 | 1.3 | | 10% | 28 | 125 | 50 | | | | | 6 | | CO | ZL |
| 4003 | CSO | 1.3 | 1.8 | | 10% | 28 | 125 | 10 | | | | | 6 | | CO | ZL |
| 4008 | CSO | 1.3 | 5.0 | | 2% | 28 | 125 | 10 | | | | | 7 | | CO | ZL |
| 4009 | CSO | 5.0 | 10.0 | | 2% | 28 | 125 | 10 | | | | | 7 | | CO | ZL |
| 4200 | OSX | *1.0 | | | | 28 | 250 | 1000 | | | 20 | 65 | 9 | | CO | ZL |
| 4201 | OSX | *4.0 | | | | 28 | 250 | 400 | | | 20 | 65 | 17 | | CO | ZL |
| 4202 | OSX | *9.0 | | | | 28 | 250 | 200 | | | 20 | 65 | 23 | | CO | ZL |
| 4210 | OSX | <0.3 | 0.5 | | | 15 | 50 | 10 | | | 20 | 65 | <4 | | CO | ZL |
| 4211 | OSX | 0.5 | 1.0 | | | 15 | 65 | 10 | | | 20 | 65 | <5 | | CO | ZL |
| 4213 | OSX | 1.0 | 5.5 | | | 15 | 200 | 10 | | | 20 | 65 | 9 | 9.0 | CO | ZL |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT #PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | −°C | +°C | IN.$^3$ | Oz. | | |
| 4214 | OSX | 5.5 | 10.0 | | | 28 | 225 | 10 | | | 20 | 65 | 11 | 11.0 | CO | ZL |
| 4215 | OSX | 10.0 | 18.0 | | | 28 | 225 | 10 | | | 20 | 65 | 15 | 14.0 | CO | ZL |
| 4222 | OSX | <*0.3 | | | | 28 | 250 | 1500 | | | 20 | 65 | 15 | | CO | ZL |
| 4230 | OSX | <*0.3 | | | | 28 | 250 | 1500 | | | 20 | 65 | 9 | | CO | ZL |
| 4231 | OSX | *0.5 | | | | 28 | 250 | 1500 | | | 20 | 65 | 9 | | CO | ZL |
| 4232 | OSX | *1.0 | | | | 28 | 250 | 1000 | | | 20 | 65 | 9 | | CO | ZL |
| 4242 | OSX | *1.0 | | | | 28 | 250 | 1000 | | | | | 18 | | CO | ZL |
| 4243 | OSX | *2.0 | | | | 28 | 250 | 500 | | | | | 18 | | CO | ZL |
| 4244 | OSX | *4.0 | | | | 28 | 250 | 400 | | | | | 18 | | CO | ZL |
| 4245 | OSX | *6.0 | | | | 28 | 250 | 200 | | | | | 18 | | CO | ZL |
| 4255 | OSX | *6.0 | | | | 28 | 250 | 200 | | | 20 | 65 | 24 | | CO | ZL |
| 4256 | OSX | *9.0 | | | | 28 | 250 | 150 | | | 20 | 65 | 24 | | CO | ZL |
| 4257 | OSX | *12.0 | | | | 28 | 250 | 100 | | | 20 | 65 | 24 | | CO | ZL |
| 4258 | OSX | *18.0 | | | | 28 | 250 | 50 | | | 20 | 65 | 24 | | CO | ZL |
| 5000-9200 | OSX | *16.5 | | | | 28 | 550 | 50 | | | 18 | 40 | 98 | 92.0 | WG | TR |
| 5008-9901 | TOM | 8.5 | <9.8 | | | 20 | 350 | 10 | | | 20 | 70 | 49 | 92.0 | CO | TR |
| 5008-9904 | TOM | <9.3 | <9.6 | VT | | 24 | 500 | 50 | | | 0 | 71 | 55 | 49.0 | CO | TR |
| 5022-16 | MUL | <7.2 | <7.7 | | | 28 | 600 | *+20 | 40 | | 0 | 60 | 63 | 32.0 | CO | ZL |
| 5024-9200 | OSX | 16.0 | 16.5 | | | 28 | 400 | #20 | | | 20 | 70 | 33 | 32.0 | CO | TR |
| 5025-2901 | OSX | 15.5 | 15.8 | | | 28 | 600 | 100 | | | 20 | 70 | 44 | 40.0 | WG | TR |
| 5026-9200 | OSX | 12.0 | 14.0 | | | 28 | | 250 | | | 10 | 70 | 99 | 48.0 | WG | TR |
| 5030-9201 | TOM | 16.0 | 17.0 | | | 30 | 250 | 12 | | | 20 | 70 | 33 | 36.0 | CO | TR |
| 5030-9202 | TOM | 16.1 | 16.4 | | | 30 | 250 | 4 | | | 20 | 70 | 33 | 36.0 | WG | TR |
| 6000-1300 | OSC | 2.7 | 3.0 | MC | | 28 | 15 | 15 | | | 0 | 95 | 2 | 4.0 | CO | TR |
| 6000-1305 | OSC | 3.1 | 3.4 | MC | | 28 | 15 | 15 | | | 0 | 70 | 2 | 4.0 | CO | TR |
| 6000-1306 | OSC | 3.2 | 3.6 | MC | | 28 | 15 | 8 | | | 0 | 70 | 2 | 4.0 | CO | TR |
| 6000-1307 | OSC | 2.2 | 2.7 | MC | | 28 | 15 | 10 | | | 0 | 70 | 2 | 4.0 | CO | TR |
| 6018 | OSX | >1.8 | <2.0 | | | 15 | 200 | *+8 | | | 5 | 55 | 16 | 17.0 | CO | ZL |
| 6054-9901 | TOM | 9.2 | 9.7 | VT | | -30 | 350 | 8 | | | 20 | 70 | 27 | 26.0 | WG | TR |
| 6055-9201 | TOM | 16.0 | 17.0 | VT | | 30 | 350 | 6 | | | 20 | 70 | 58 | 32.0 | WG | TR |
| 6503 | OSC | >0.2 | <0.3 | | | 28 | 1A | 3000 | | | 20 | 85 | 18 | 16.0 | CO | ZL |
| 6510 | MUL | 2.2 | 2.3 | | 100 | 12 | 200 | *-13 | | | 0 | 50 | 120 | | CO | ZL |
| 6900-1900 | GOS | 8.5 | 9.6 | | | 12 | 500 | 3 | | | 20 | 70 | <1 | 2.5 | CO | TR |
| 28651-18 | OSC | <*0.3 | | MC | 20% | 20 | 150 | 200 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| 28651-21 | OSC | <*0.5 | | MC | 20% | 20 | 150 | 100 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| 28652-22 | OSC | <*0.6 | | MC | 20% | 20 | 150 | 100 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| 28652-23 | OSC | <*0.7 | | MC | 20% | 20 | 150 | 25 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| 28652-24 | OSC | >*0.8 | | MC | 20% | 20 | 150 | 25 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| 28653-26 | OSC | *1.2 | | MC | 20% | 20 | 100 | 10 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| 28653-27 | OSC | *1.5 | | MC | 20% | 20 | 100 | 10 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| 28653-28 | OSC | *1.8 | | MC | 20% | 20 | 100 | 10 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| 28654-29 | OSC | *2.0 | | MC | 20% | 20 | 100 | 10 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| 28671-60 | OSC | 0.2 | 0.5 | VT | OCT | 20 | 200 | 250 | | | 0 | 71 | 1 | 1.3 | CO | OS |
| 28672-62 | OSC | 0.5 | 1.0 | VT | OCT | 20 | 200 | 150 | | | 0 | 70 | 1 | 1.3 | CO | OS |
| 28673-64 | OSC | 1.0 | 2.0 | VT | OCT | 20 | 200 | 50 | | | 0 | 70 | 1 | 1.3 | CO | OS |
| 28773-64 | OSC | 1.0 | 2.0 | VT | OCT | 20 | 200 | 100 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 28774-66 | OSC | 2.0 | 4.0 | VT | OCT | 20 | 200 | 70 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 28781-60 | OSC | 0.2 | 0.5 | VT | OCT | 24 | 250 | 400 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 28782-62 | OSC | 0.5 | 1.0 | VT | OCT | 24 | 250 | 200 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 28783-64 | OSC | 1.0 | 2.0 | VT | OCT | 24 | 250 | 50 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 28784-66 | OSC | 2.0 | 4.0 | VT | OCT | 24 | 250 | 20 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 28790 SERIES | OSC | 4.8 | 12.0 | VT | | | | 10 | | | | | | | CO | OS |
| 29003-60-20 | MIA | 1.0 | 2.0 | | | -20 | | | 20 | 10 | | | <2 | 1.6 | CO | OS |
| 46202H | AMP | >1.6 | 2.0 | | | 28 | 500 | 3W | 7 | | 20 | 71 | <3 | 6.0 | CO | HA |
| 46203H | AMP | 1.8 | 2.1 | | | 12 | 250 | *23 | 13 | | 55 | 100 | >3 | 6.0 | CO | HA |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT #PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz *TUNING RANGE | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| 117000MS | OSC | *1.1 | | MC | | 30 | 1A | 45W | | | 54 | 81 | <4 | 6.0 | CO | CL |
| 182000MV | OSC | *1.8 | | MC | | | | 2W | | | 55 | 85 | 9 | 10 | CO | CL |
| 271005M | TOM | 2.5 | 3.0 | MC | | -28 | 200 | 1W | | | 30 | 71 | 4 | | | CL |
| 286523-25 | OSC | *1.0 | | MC | 20% | 20 | 100 | 25 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| 287734-65 | OSC | 1.5 | 3.0 | VT | OCT | 20 | 200 | 100 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 287745-67 | OSC | 2.6 | 5.2 | VT | OCT | 20 | 200 | 20 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 287812-61 | OSC | 0.3 | 0.6 | VT | OCT | 24 | 250 | 200 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 287834-63 | OSC | 0.7 | 1.5 | VT | OCT | 24 | 250 | 50 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 290012-60-20 | MIA | <0.3 | 1.0 | | | -20 | | | 20 | 0 | | | <2 | 1.5 | CO | OS |

# 5. CHARACTERISTIC LISTING

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.³ | Oz. | | |
| TQN-101 | TRA | <0.2 | >0.3 | | | 20 | 35 | | 20 | 3 | 50 | 70 | 6 | | CO | MS |
| A-230-17-5 | AMP | *<0.3 | | | | 28 | | 5 | 17 | <3 | 55 | 70 | 2 | | CO | MP |
| A-230-30-10 | AMP | *<0.3 | | | | 28 | | 10 | 30 | <3 | 55 | 70 | 5 | | CO | MP |
| A-230-50-1C | AMP | *<0.3 | | | | 28 | | 100 | 50 | <3 | 55 | 70 | 9 | | CO | MP |
| A-230-90-1C | AMP | *<0.3 | | | | 28 | | 100 | 90 | <3 | 55 | 70 | 9 | | CO | MP |
| A-230-50-1K | AMP | <0.3 | | | | 28 | | 1000 | 50 | <3 | 55 | 70 | 8 | | CO | MP |
| SP-300/200 | PRE | 0.2 | 0.4 | | | 12 | 20 | *0 | 30 | 4 | | | 6 | | CO | AP |
| ALN204 | AMP | 0.2 | 0.4 | | | 20 | 30 | *5 | 25 | 4 | | | <10 | 8.3 | CO | OP |
| BLN204 | AMP | 0.2 | 0.4 | | | -20 | 30 | *+5 | 25 | 3 | | | 10 | 8.2 | CO | OP |
| CA2040 | AMP | 0.2 | 0.4 | | | 15 | 20 | *+5 | 25 | <3 | | | 2 | 1.8 | CO | EM |
| MHA300B | AMP | *0.3 | | | 200 | 12 | 55 | *+5 | 25 | 4 | | | 1 | | CO | FS |
| AP-20T | TRA | 0.2 | 0.4 | | | 24 | 250 | *+20 | 30 | <7 | | | | | | AV |
| ESH2040 | AMP | 0.2 | 0.4 | | | 20 | 135 | *+20 | 29 | 6 | | | 5 | | CO | EM |
| HCA2040 | AMP | 0.2 | 0.4 | | | 15 | 100 | *+20 | 18 | <6 | | | 2 | 1.8 | | EM |
| ESK2040 | AMP | 0.2 | 0.4 | | | 24 | 240 | *+27 | 23 | 9 | | | 8 | | CO | EM |
| EA-100 | AMP | 0.2 | 0.4 | | 10% | 28 | | 1W | 16 | | | | | | CO | GR |
| DA205 | AMP | 0.2 | 0.5 | MC | | 12 | 8 | | 10 | <5 | | | <1 | 0.7 | CO | SA |
| CA2550 | AMP | 0.2 | 0.5 | | | 15 | 20 | *+5 | 25 | <3 | | | 2 | 1.8 | CO | EM |
| ESH2550 | AMP | 0.2 | 0.5 | | | 20 | 135 | *+20 | 29 | 7 | | | 5 | | CO | EM |
| HCA2550 | AMP | 0.2 | 0.5 | | | 15 | 100 | *+20 | 18 | <6 | | | 2 | 1.8 | EM | EM |
| HCA2550 | AMP | 0.2 | 0.5 | | | 15 | 100 | *+20 | 18 | <6 | | | 2 | 1.8 | | EM |
| ESK2550 | AMP | 0.2 | 0.5 | | | 24 | 240 | *+27 | 23 | 10 | | | 8 | | CO | EM |
| A-2451 | AMP | 0.2 | 0.5 | | 15 | 28 | | 75W | 30 | | | 71 | 21 | 20.0 | CO | AC |
| TQO-102 | TRA | <0.3 | 0.5 | | | 20 | 35 | | 25 | <5 | 50 | 70 | 16 | | CO | MS |
| OA-375-30-1 | PRE | <0.3 | 0.5 | | OCT | 28 | | | 30 | 4 | 55 | 70 | 5 | | CO | MP |
| OA-375-40-50 | PRE | <0.3 | 0.5 | | OCT | 28 | | | 40 | 4 | 55 | 70 | 8 | | CO | MP |
| AP255 | AMP | <0.3 | 0.5 | | | 115 | | *0 | 27 | <3 | | | 25 | | CO | OP |
| AP-25T | TRA | <0.3 | 0.5 | | | 24 | 250 | *+20 | 30 | <7 | | | | | | AV |
| EA-119 | AMP | <0.3 | 0.5 | | 2% | 28 | | 10W | 30 | | +10 | 45 | 54 | | CO | GR |
| EA-120 | AMP | <0.3 | 0.5 | | 2% | 28 | | 20W | 30 | | +10 | 45 | 54 | | CO | GR |
| EA-121 | AMP | <0.3 | 0.5 | | 2% | 28 | | 40W | 30 | | +10 | 45 | 54 | | CO | GR |
| UHF-5 | PAR | *0.4 | | MC | 20 | 12 | 500 | | 16 | 1 | | | | | | SK |
| SMA-400NM | AMP | *0.4 | | | 100 | 15 | | | 25 | 3 | | | <1 | | CO | SM |
| SMA-400N | AMP | *0.4 | | | 100 | 15 | | | 25 | 3 | | | <3 | | CO | SM |
| MDA3940 | PRE | *0.4 | | | | 20 | 100 | | 35 | <3 | | | 24 | | CO | ME |
| U-107 | TRA | *0.4 | | FX | 20 | 12 | 20 | | 35 | 2 | | | | | | SK |
| SP-375/250 | PRE | 0.3 | 0.5 | | | 12 | 20 | *0 | 30 | 4 | | | 6 | | CO | AP |
| ALN255 | AMP | 0.3 | 0.5 | | | 20 | 30 | *5 | 25 | 4 | | | <10 | 8.3 | CO | OP |
| BLN255 | AMP | 0.3 | 0.5 | | | -20 | 30 | *+5 | 25 | 3 | | | 10 | 8.2 | CO | OP |
| A25102 | AMP | 0.3 | 0.5 | | | 24 | | *+20 | 30 | 5 | 54 | 71 | 16 | 12.0 | CO | OP |
| HFW-2(TX)-2550/P | AMP | 0.3 | 0.5 | | | 28 | 600 | 2W | 10 | | | | 16 | | CO | AR |
| SP-450/300 | PRE | 0.3 | 0.6 | | | 12 | 30 | *-3 | 30 | 5 | | | 6 | | CO | AP |
| ALN306 | AMP | 0.3 | 0.6 | | | 20 | 30 | *5 | 25 | <5 | | | <10 | 8.3 | CO | OP |
| BLN306 | AMP | 0.3 | 0.6 | | | -20 | 30 | *+5 | 25 | <4 | | | 10 | 8.2 | CO | OP |
| CA3060 | AMP | 0.3 | 0.6 | | | 15 | 20 | *+5 | 25 | <3 | | | 2 | 1.8 | CO | EM |
| MHA600B | AMP | <*0.5 | | | 475 | 12 | 55 | *0 | 19 | 6 | | | 1 | | CO | FS |
| A-405-17-5 | AMP | *<0.5 | | | | 28 | | 5 | 17 | <3 | 55 | 70 | 2 | | CO | MP |
| A-450-17-5 | AMP | *<0.5 | | | | 28 | | 5 | 17 | <3 | 55 | 70 | 2 | | CO | MP |
| A-405-30-10 | AMP | *<0.5 | | | | 28 | | 10 | 30 | <3 | 55 | 70 | 5 | | CO | MP |
| A-450-30-10 | AMP | *<0.5 | | | | 28 | | 10 | 30 | <3 | 55 | 70 | 5 | | CO | MP |
| A-405-50-1C | AMP | *<0.5 | | | | 28 | | 100 | 50 | <3 | 55 | 70 | 5 | | CO | MP |
| A-450-50-1C | AMP | *<0.5 | | | | 28 | | 100 | 50 | <3 | 55 | 70 | 5 | | CO | MP |
| A-405-90-1C | AMP | *<0.5 | | | | 28 | | 100 | 90 | <3 | 55 | 70 | 9 | | CO | MP |
| A-450-90-1C | AMP | *<0.5 | | | | 28 | | 100 | 90 | <3 | 55 | 70 | 9 | | CO | MP |
| A-405-50-1K | AMP | *<0.5 | | | | 28 | | 1000 | 50 | <3 | 55 | 70 | 8 | | CO | MP |
| A-450-50-1K | AMP | *<0.5 | | | | 28 | | 1000 | 50 | <3 | 55 | 70 | 8 | | CO | MP |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| MHA5005 | AMP | *0.5 | | | 25 | 12 | 55 | *+5 | 25 | 4 | | | 1 | | CO | FS |
| SMA-550V | AMP | *>0.5 | | | 100 | 28 | | | 17 | 5 | | | 4 | | CO | SM |
| SMA-550VA | AMP | *>0.5 | | | 100 | 28 | | | 24 | 5 | | | 5 | | CO | SM |
| MDA1000 | PRE | 0.1 | 1.0 | | | 115 | 180 | | 28 | <9 | | | 514 | | CO | ME |
| AMT1001 | TRA | 0.1 | 1.0 | | | 15 | 13 | *+3 | 14 | <5 | | | 1 | 3.5 | CO | AV |
| AMT1002 | TRA | 0.1 | 1.0 | | | 15 | 23 | *+6 | 14 | 5 | | | 1 | 3.5 | CO | AV |
| AMT1003 | TRA | 0.1 | 1.0 | | | 15 | 36 | *+6 | 28 | <5 | | | 1 | 3.5 | CO | AV |
| AMT1004 | TRA | 0.1 | 1.0 | | | 15 | 59 | *+6 | 42 | <5 | | | 2 | 6.3 | CO | AV |
| AMT1005 | TRA | 0.1 | 1.0 | | | 15 | 82 | *+6 | 56 | <5 | | | 2 | 6.3 | CO | AV |
| MQ20000 SERIES | AMP | 0.2 | 1.0 | | OCT | 12 | | *0 | 20 | <4 | 54 | 71 | 5 | | CO | MQ |
| ALN408 | AMP | 0.4 | 0.8 | | | 20 | 30 | *5 | 25 | <5 | | | <10 | 8.3 | CO | OP |
| BLN408 | AMP | 0.4 | 0.8 | | | -20 | 30 | *+5 | 25 | 4 | | | 10 | 8.2 | CO | OP |
| EA-101 | AMP | 0.4 | 0.8 | | 8% | 28 | | 1W | 16 | | | | | | CO | GR |
| 290012-60-20 | MIA | <0.3 | 1.0 | | | -20 | | | 20 | 9 | | | <2 | 1.5 | CO | OS |
| SP-650/700 | PRE | 0.3 | 1.0 | | | 12 | 36 | *-3 | 25 | 6 | | | 6 | | CO | AP |
| A25104 | AMP | 0.3 | 1.0 | | | 24 | 210 | *+10 | 25 | 8 | 54 | 71 | <10 | 12.0 | CO | OP |
| MHA7008 | AMP | *0.7 | | | 200 | 12 | 55 | *0 | 20 | 6 | | | 1 | | CO | FS |
| ALN459 | AMP | 0.5 | 0.9 | | | 20 | 30 | *5 | 25 | <5 | | | <10 | 8.3 | CO | OP |
| BLN459 | AMP | 0.5 | 0.9 | | | -20 | 40 | *+5 | 25 | 4 | | | 10 | 8.2 | CO | OP |
| WJ-740 | TRA | 0.5 | 1.0 | | | 115 | <2W | 1 | 28 | 4 | | | 18 | 10.0 | CO | WJ |
| WJ1134 | AMP | 0.5 | 1.0 | YT | 15 | | | *-5 | 20 | 8 | | | 53 | 80.0 | CO | WJ |
| SP-750/500 | PRE | 0.5 | 1.0 | | | 12 | 28 | *-3 | 25 | 6 | | | 6 | | CO | AP |
| ALN501 | AMP | 0.5 | 1.0 | | | 20 | 30 | *5 | 25 | 5 | | | <10 | 8.3 | CO | OP |
| AP501 | AMP | 0.5 | 1.0 | | | 115 | | *+5 | 27 | 3 | | | 25 | | CO | OP |
| BLN501 | AMP | 0.5 | 1.0 | | | -20 | 30 | *+5 | 25 | 4 | | | 10 | 8.2 | CO | OP |
| CA5001 | AMP | 0.5 | 1.0 | | | 15 | 40 | *+10 | 29 | 3 | | | 2 | 1.8 | CO | EM |
| WJ-735 | TRA | 0.5 | 1.0 | | | -15 | <1W | *10 | 25 | 4 | | | 4 | 3.0 | CO | WJ |
| WJ-738 | TRA | 0.5 | 1.0 | | | 115 | <2W | *10 | 25 | 4 | | | <9 | 6.0 | CO | WJ |
| A5202 | AMP | 0.5 | 1.0 | | | 24 | 280 | *+20 | 30 | 6 | 54 | 70 | <10 | 12.0 | CO | OP |
| ESK5001 | AMP | 0.5 | 1.0 | | | 20 | 180 | *+20 | 23 | 7 | | | <7 | | CO | EM |
| MCA5001 | AMP | 0.5 | 1.0 | | | 15 | 120 | *+20 | 13 | 7 | | | 2 | 1.8 | | EM |
| AP-1000T | TRA | 0.5 | 1.0 | | | 15 | 540 | *+29 | 30 | 10 | | | | | | AV |
| OM-750-30-20-10 | MIA | 0.5 | 1.0 | | | 28 | | | 15 | <8 | 50 | 70 | 5 | | CO | MP |
| DA510 | AMP | 0.5 | 1.0 | MC | OCT | 15 | 28 | | 25 | 5 | | | 4 | 4.1 | CO | SA |
| MP5-1/2SERIES | PRE | 0.5 | 1.0 | | | +12 | | | 25 | <9 | | | | | CO | RH |
| TQO-103 | TRA | 0.5 | 1.0 | | | 20 | 35 | | 25 | <7 | 50 | 70 | 14 | | CO | MS |
| DA-750-30-1 | PRE | 0.5 | 1.0 | | OCT | 28 | | | 30 | 4 | 55 | 70 | 5 | | CO | MP |
| DA-750-40-50 | PRE | 0.5 | 1.0 | | OCT | 28 | | | 40 | 5 | 55 | 70 | 8 | | CO | MP |
| MDA5001 | PRE | 0.5 | 1.0 | | | 12 | 50 | | 43 | 6 | | | 30 | | CO | ME |
| A-750-17-1 | AMP | *<0.8 | | | | 28 | | 1 | 17 | <3 | 55 | 70 | 5 | | CO | MP |
| A-750-30-10 | AMP | *<0.8 | | | | 28 | | 10 | 30 | <3 | 55 | 70 | 5 | | CO | MP |
| A-750-50-10 | AMP | *<0.8 | | | | 28 | | 10 | 50 | <3 | 55 | 70 | 9 | | CO | MP |
| A-750-90-50 | AMP | *<0.8 | | | | 28 | | 50 | 90 | <3 | 55 | 70 | 9 | | CO | MP |
| A-750-50-1C | AMP | *<0.8 | | | | 28 | | 100 | 50 | <3 | 55 | 70 | 9 | | CO | MP |
| PA81AA | PAR | 0.7 | 0.9 | FX | 20 | 115 | 1500 | | 20 | 2 | 0 | 50 | 440 | 144 | CO | IS |
| ALN790 | AMP | 0.7 | 0.9 | | | 20 | 30 | *5 | 25 | <5 | | | <10 | 8.3 | CO | OP |
| BLN790 | AMP | 0.7 | 0.9 | | | -20 | 30 | *+5 | 30 | 3 | | | 10 | 8.2 | CO | OP |
| ALN511 | AMP | 0.6 | 1.1 | | | 20 | 30 | *5 | 25 | <5 | | | <10 | 8.3 | CO | OP |
| A55102 | AMP | 0.6 | 1.1 | | | 24 | 300 | *+20 | 25 | 6 | 54 | 71 | 16 | 12.0 | CO | OP |
| 224 | AMP | 0.8 | 0.9 | | 100 | 28 | | 50W | 27 | | 20 | 50 | 35 | 14.0 | CO | AC |
| AT1000 | TRA | <0.8 | <1.0 | | | 15 | 29 | *+8 | 23 | <4 | | | | | | AV |
| A-870-17-1 | AMP | *<0.9 | | | | 28 | | 1 | 17 | <4 | 55 | 70 | 5 | | CO | MP |
| A-870-30-10 | AMP | *<0.9 | | | | 28 | | 10 | 30 | <4 | 55 | 70 | 5 | | CO | MP |
| A-870-50-10 | AMP | *<0.9 | | | | 28 | | 10 | 50 | <4 | 55 | 70 | 9 | | CO | MP |
| A-870-90-50 | AMP | *<0.9 | | | | 28 | | 50 | 90 | <4 | 55 | 70 | 9 | | CO | MP |
| A-870-50-1C | AMP | *<0.9 | | | | 28 | | 100 | 50 | <4 | 55 | 70 | 9 | | CO | MP |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT #PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| A-995-17-1 | AMP* | <1.0 | | | | 28 | | 1 | 17 | 4 | 55 | 70 | 5 | | CO | MP |
| A-995-30-10 | AMP* | <1.0 | | | | 28 | | 10 | 30 | 4 | 55 | 70 | 5 | | CO | MP |
| A-995-50-10 | AMP* | <1.0 | | | | 28 | | 10 | 50 | 4 | 55 | 70 | 9 | | CO | MP |
| A-995-90-50 | AMP* | <1.0 | | | | 28 | | 50 | 90 | 4 | 55 | 70 | 9 | | CO | MP |
| A-995-50-1C | AMP* | <1.0 | | | | 28 | | 100 | 50 | 4 | 55 | 70 | 9 | | CO | MP |
| AMP1500 | TRA | 0.5 | 1.5 | | | 15 | 60 | *+8 | 25 | 9 | | | | | | AV |
| EA-102 | AMP | 0.8 | 1.2 | | 6% | 28 | | 1W | 16 | | | | | | CO | GR |
| VSU3814-1000 | AMP | <0.9 | <1.2 | | | 28 | 600 | 400 | | | 10 | 85 | 36 | 26.0 | CO | TR |
| AMT2001 | TRA | 0.1 | 2.0 | | | 15 | 13 | *+2 | 9 | <7 | | | 1 | 3.5 | CO | AV |
| AMT2002 | TRA | 0.1 | 2.0 | | | 15 | 23 | *+5 | 9 | <8 | | | 1 | 3.5 | CO | AV |
| AMT2003 | TRA | 0.1 | 2.0 | | | 15 | 36 | *+5 | 18 | <7 | | | 1 | 3.5 | CO | AV |
| AMT2004 | TRA | 0.1 | 2.0 | | | 15 | 59 | *+5 | 26 | <7 | | | 1 | 3.5 | CO | AV |
| ALN812 | AMP | 0.8 | 1.3 | | | 20 | 30 | *5 | 25 | 5 | | | <10 | 8.3 | CO | OP |
| AMT2005 | TRA | 0.1 | 2.0 | | | 15 | 82 | *+5 | 34 | <7 | | | 2 | 6.3 | CO | AV |
| AMT2006 | TRA | 0.1 | 2.0 | | | 15 | 105 | *+5 | 42 | <7 | | | 2 | 6.3 | CO | AV |
| AMT2007 | TRA | 0.1 | 2.0 | | | 15 | 128 | *+5 | 50 | <7 | | | 2 | 6.3 | CO | AV |
| T-425/S | AMP | 0.9 | 1.2 | | 5% | 28 | | #30W | 30 | | | | 13 | 15.0 | CO | AC |
| A-1090-17-1 | AMP* | <1.1 | | | | 28 | | 1 | 17 | 4 | 55 | 70 | 5 | | CO | MP |
| A-1090-30-10 | AMP* | <1.1 | | | | 28 | | 10 | 30 | 4 | 55 | 70 | 5 | | CO | MP |
| A-1090-50-10 | AMP* | <1.1 | | | | 28 | | 10 | 50 | 4 | 55 | 70 | 9 | | CO | MP |
| A-1090-90-50 | AMP* | <1.1 | | | | 28 | | 50 | 90 | 4 | 55 | 70 | 9 | | CO | MP |
| A-1090-50-1C | AMP* | <1.1 | | | | 28 | | 100 | 50 | 4 | 55 | 70 | 9 | | CO | MP |
| S05-1200-15 | TRA | <1.2 | 1.2 | FX | 50 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S05-1200-20 | TRA | <1.2 | 1.2 | FX | 50 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| A2004/1 | AMP | 0.5 | 2.0 | | 150 | | | | 20 | | 20 | 65 | | | CO | AC |
| WJ3021 | AMP | 0.5 | 2.0 | YT | 15 | | | *-5 | 20 | 14 | | | 374 | 400 | CO | WJ |
| ALN150 | AMP | 1.0 | 1.5 | | | 20 | 30 | *5 | 25 | <6 | | | <10 | 8.3 | CO | OP |
| HFW-4(TX)-50200 | TRA | 0.5 | 2.0 | | | 15 | 45 | *+10 | 25 | <7 | 40 | 71 | <5 | | CO | AP |
| DA1214 | AMP | 1.2 | 1.4 | | | -15 | 25 | | 20 | 5 | | | 10 | 16.0 | CO | SA |
| S20-1300-20 | TRA | 1.2 | 1.4 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S20-1300-15 | TRA | 1.2 | 1.4 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| JH-2(TX)-1347 | AMP | *1.3 | | | 50 | 28 | 850 | 10W | 10 | | | | 44 | | CO | AP |
| PB31AA | PAR | <1.3 | <1.4 | FX | 20 | 115 | 1500 | | 20 | 2 | 0 | 50 | 440 | 144 | CO | IS |
| PB31AB | PAR | <1.3 | <1.4 | FX | 70 | 115 | 1500 | | 20 | 2 | 0 | 50 | 845 | 160 | CO | IS |
| S10-1300-15 | TRA | <1.3 | <1.4 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S10-1300-20 | TRA | <1.3 | <1.4 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S20-1400-15 | TRA | 1.3 | 1.5 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S20-1400-20 | TRA | 1.3 | 1.5 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| EA-103 | AMP | 1.2 | 1.6 | | 3% | 28 | | 1W | 16 | | | | | | CO | GR |
| TQN-102A | TRA | <1.4 | <1.5 | | | 20 | 35 | | 20 | <5 | 50 | 70 | 15 | | CO | MS |
| TQN-102 | TRA | <1.4 | <1.5 | | | 20 | 35 | | 20 | 5 | 50 | 70 | 15 | | CO | MS |
| TQN-104 | TRA | <1.4 | <1.5 | | | 20 | 35 | | 25 | <5 | 50 | 70 | 15 | | CO | MS |
| S10-1400-15 | TRA | <1.4 | <1.5 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S10-1400-20 | TRA | <1.4 | <1.5 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| HFW-2(TX)-1415 | AMP | 1.4 | 1.5 | | | 12 | 20 | | 20 | 5 | | | 7 | 7.0 | CO | AP |
| MDA1415 | PRE | 1.4 | 1.5 | | | 20 | 30 | | 25 | <5 | | | 14 | | CO | MF |
| ALN115 | AMP | 1.4 | 1.5 | | | 20 | 30 | *0 | 25 | <5 | | | <10 | 8.3 | CO | OP |
| A154 | AMP | 1.4 | 1.5 | | | 24 | | *+15 | 25 | <5 | 54 | 70 | <10 | 12.0 | CO | OP |
| TQN-1485 | TRA | >1.4 | >1.5 | | | | | | 15 | >4 | | | 3 | 6.0 | CO | MS |
| SMA1500A | AMP | >1.4 | >1.5 | | | 115 | | | 20 | <5 | | | 48 | | CO | SM |
| SMA1500AD | AMP | >1.4 | >1.5 | | | 24 | | | 20 | <5 | | | 13 | | CO | SM |
| SMA1500D | AMP | >1.4 | >1.5 | | | 24 | | | 20 | 5 | | | 13 | | CO | SM |
| SMA1500 | AMP | >1.4 | >1.5 | | | 115 | | | 20 | 5 | | | 48 | | CO | SM |
| WJ737-14 | TRA | >1.4 | >1.5 | | | -15 | | *0 | 25 | <6 | | | <4 | 3.0 | CO | WJ |
| MDS1415 | PRE | >1.4 | >1.5 | | | | 5 | *+5 | 10 | 4 | | | 5 | 6.0 | CO | MF |
| AM1540 | TRA | >1.4 | >1.5 | | | 15 | 50 | *+8 | 30 | <5 | | | | | | AV |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| AM-1542N | TRA | >1.4 | >1.5 | | | 15 | 35 | *+8 | 20 | <5 | | | | | | AV |
| A-1485-17-1 | AMP* | <1.5 | | | | 28 | | 1 | 17 | <6 | 55 | 70 | 5 | | CO | MP |
| A-1485-30-10 | AMP* | <1.5 | | | | 28 | | 10 | 30 | <6 | 55 | 70 | 5 | | CO | MP |
| A-1485-50-10 | AMP* | <1.5 | | | | 28 | | 10 | 50 | <6 | 55 | 70 | 9 | | CO | MP |
| A-1485-90-50 | AMP* | <1.5 | | | | 28 | | 50 | 90 | <6 | 55 | 70 | 9 | | CO | MP |
| A-1485-50-1C | AMP* | <1.5 | | | | 28 | | 100 | 50 | <6 | 55 | 70 | 9 | | CO | MP |
| ALN120 | AMP | 1.0 | 2.0 | | | 20 | 30 | *-10 | 25 | 6 | | | <10 | 8.3 | CO | OP |
| MMC 20-1.5 | MIA | 1.0 | 2.0 | FX | 1K | 25 | 25 | *0 | 20 | <8 | 40 | 71 | 2 | | CO | IM |
| MPC 20-1.5 | MIA | 1.0 | 2.0 | FX | 1K | 12 | 25 | *0 | 20 | 8 | 40 | 71 | 5 | | CO | IM |
| MHA1500B | AMP | *1.5 | | | 500 | 12 | 40 | *0 | 20 | 7 | | | 1 | | CO | FS |
| WJ-737 | TRA | 1.0 | 2.0 | | | -15 | <1W | *0 | 25 | 6 | | | 4 | 3.0 | CO | WJ |
| WJ-739 | TRA | 1.0 | 2.0 | | | 115 | <2W | *0 | 25 | 6 | | | <9 | 6.0 | CO | WJ |
| WJ739-14 | TRA | 1.0 | 2.0 | | | 115 | | *0 | 28 | 5 | | | <9 | 9.0 | CO | WJ |
| SPS1500/1000 | PRE | 1.0 | 2.0 | | | 115 | 2W | *0 | 25 | 9 | | | 18 | | CO | AP |
| MMC 30-1.5 | MIA | 1.0 | 2.0 | FX | 1K | 25 | 25 | *0 | 30 | <8 | 40 | 71 | 2 | | CO | IM |
| MPC 30-1.5 | MIA | 1.0 | 2.0 | FX | 1K | 12 | 25 | *0 | 30 | 8 | 40 | 71 | 5 | | CO | IM |
| SP-1500/1000 | PRE | 1.0 | 2.0 | | | 12 | 40 | *+3 | 25 | 7 | | | <2 | | CO | AP |
| S20-1500-15 | TRA | 1.4 | 1.6 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-1500-20 | TRA | 1.4 | 1.6 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| AMT-2013 | TRA | 1.0 | 2.0 | | | 15 | 30 | *+6 | 17 | <6 | | | 1 | 3.5 | CO | AV |
| AMT-2014 | TRA | 1.0 | 2.0 | | | 5 | 50 | *+6 | 25 | <6 | | | 1 | 3.5 | CO | AV |
| AMT-2015 | TRA | 1.0 | 2.0 | | | 15 | 70 | *+6 | 34 | <6 | | | <2 | 6.3 | CO | AV |
| AMP1000N | TRA | 1.0 | 2.0 | | | 15 | 60 | *+7 | 25 | 6 | | 85 | 10 | 14.0 | | AV |
| WJ739-15 | TRA | 1.0 | 2.0 | | | 115 | | *10 | 35 | 8 | | | <22 | 22.0 | CO | WJ |
| AM-2000N | TRA | 1.0 | 2.0 | | | 15 | 50 | *+10 | 25 | <6 | | | | | | AV |
| AM-2002N | TRA | 1.0 | 2.0 | | | 15 | 65 | *+10 | 32 | <6 | | | | | | AV |
| AM-2050N | TRA | 1.0 | 2.0 | | | 15 | 50 | *+10 | 27 | <5 | | | | | | AV |
| AMP-2000N | TRA | 1.0 | 2.0 | | | 15 | 165 | *+20 | 30 | 7 | | | 13 | 16.0 | CO | AV |
| DM-1.5-30-20-10 | MIA | 1.0 | 2.0 | | | 28 | | | 15 | 8 | 50 | 70 | 5 | | CO | MP |
| 29003-60-20 | MIA | 1.0 | 2.0 | | | -20 | | | 20 | 10 | | | <2 | 1.6 | CO | OS |
| MMP1-2 SERIES | MIA | 1.0 | 2.0 | | 240 | 12 | 40 | | 20 | 8 | 30 | 71 | | | CO | RH |
| HFW-4(TX)-1020 | TRA | 1.0 | 2.0 | | | 15 | 50 | | 20 | <6 | 40 | 71 | <5 | 10.0 | CO | AP |
| TQO-104 | TRA | 1.0 | 2.0 | | | 20 | 35 | | 20 | <7 | 50 | 70 | 15 | | CO | MS |
| WJ-741 | TRA | 1.0 | 2.0 | | | 115 | <2W | 4 | 28 | 5 | | | 18 | 10.0 | CO | WJ |
| MTAC-14853 | TDA | >1.4 | <1.6 | | | 28 | | | 20 | <4 | 0 | 50 | 144 | | CO | MS |
| SMA1550P | AMP* | >1.5 | | | 50 | 24 | | 500 | 27 | | | | 38 | | CO | SM |
| S10-1500-15 | TRA | <1.5 | <1.6 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| S10-1500-20 | TRA | <1.5 | <1.6 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 11 | | CO | IM |
| SMA1600N | AMP | >1.5 | >1.6 | | | 24 | | | 20 | 5 | | | 13 | | CO | SM |
| AM-1600N | TRA | <1.5 | <1.7 | | | 15 | 50 | *+10 | 30 | 4 | | | | | | AV |
| WJ1135 | AMP | 1.2 | 2.0 | YT | 25 | | | *0 | 20 | 9 | | | 53 | 30.0 | CO | WJ |
| S20-1600-15 | TRA | 1.5 | 1.7 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-1600-20 | TRA | 1.5 | 1.7 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| SMA1600P2 | AMP | *1.6 | | | 20 | 28 | | 1700 | 39 | | | | 38 | | CO | SM |
| SMA1600P5 | AMP | *1.6 | | | 40 | 28 | | 5W | 45 | | | | 53 | | CO | SM |
| SMA1607-5W | AMP* | >1.6 | | | 40 | 28 | | 5W | 45 | | | | 53 | | CO | SM |
| S10-1600-15 | TRA | <1.6 | <1.7 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-1600-20 | TRA | <1.6 | <1.7 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| L-5 | PAR | <*1.7 | | MC | 50 | 12 | 500 | | 17 | <2 | | | | | | SK |
| S20-1700-15 | TRA | 1.6 | 1.8 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-1700-20 | TRA | 1.6 | 1.8 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| A1724 | AMP | 1.7 | 1.7 | | | 24 | | *+10 | 25 | <6 | 54 | 71 | <10 | 12.0 | CO | OP |
| S10-1700-15 | TRA | <1.7 | <1.8 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-1700-20 | TRA | <1.7 | <1.8 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| WJ780 | TRA | 1.0 | 2.6 | | | 115 | | 5 | 27 | 7 | | | <12 | 9.0 | CO | WJ |
| AMP2600N | TRA | 1.0 | 2.6 | | | 15 | 75 | *+6 | 30 | <8 | | 85 | 10 | | | AV |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| AM-2600N | TRA | 1.0 | 2.6 | | | 15 | 70 | *+8 | 35 | 6 | | | | | | AV |
| A185N | AMP | 1.7 | 1.9 | | | 24 | | *+10 | 25 | <6 | 54 | 71 | <10 | 12.0 | CO | OP |
| 46202H | AMP | >1.6 | 2.0 | | | 28 | 500 | 3W | 7 | | 20 | 71 | <3 | 6.0 | CO | HA |
| S10-1800-15 | TRA | <1.8 | <1.9 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-1800-20 | TRA | <1.8 | <1.9 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| ACP-1850 | TDA | 1.7 | 2.0 | FX | 300 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 26 | | CO | IM |
| TQW1804 | TRA | 1.4 | 2.3 | | | 20 | 35 | | >5 | 10 | 50 | 70 | 15 | | CO | MS |
| TQW-1450 | TRA | 1.4 | 2.3 | | | 20 | 30 | | 10 | <6 | | | 3 | 6.0 | CO | MS |
| TQW1805 | TRA | 1.4 | 2.3 | | | 20 | 35 | | 11 | 10 | 50 | 70 | 15 | | CO | MS |
| TQW1806 | TRA | 1.4 | 2.3 | | | 20 | 35 | | >16 | 10 | 50 | 70 | 15 | | CO | MS |
| MDA1423 | PRE | 1.4 | 2.3 | | | -20 | 60 | | 20 | 8 | | | 14 | | CO | ME |
| TQW1807 | TRA | 1.4 | 2.3 | | | 20 | 35 | | 22 | 10 | 50 | 70 | 15 | | CO | MS |
| AMP2401N | TRA | 1.4 | 2.4 | | | 15 | 110 | *+15 | 26 | <8 | | | 13 | | CO | AV |
| AMP2400N | TRA | 1.4 | 2.4 | | | 15 | 200 | *+20 | 30 | <8 | | | 13 | | CO | AV |
| PMP2402N | TRA | 1.4 | 2.4 | | | 15 | 90 | *+20 | 6 | 15 | | | <6 | | CO | AV |
| EA-104 | AMP | 1.6 | 2.2 | | 2% | 28 | | 1W | 16 | | | | | | CO | GR |
| DC1850 | AMP | *1.9 | | | 20 | 28 | 2A | 15W | 12 | | 55 | 71 | 17 | 10.0 | CO | SA |
| S10-1900-15 | TRA | <1.9 | <2.0 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| ACC SERIES | TRA | 1.2 | 2.7 | | 100 | 12 | | | 10 | 7 | 20 | 71 | | | CO | IM |
| 46203H | AMP | 1.8 | 2.1 | | | 12 | 250 | *23 | 13 | | 55 | 100 | >3 | 6.0 | CO | HA |
| ACH SERIES | TRA | 1.2 | 2.8 | | 100 | 24 | | | 10 | 6 | 20 | 71 | | | CO | IM |
| ACS SERIES | TRA | 1.2 | 2.8 | | 100 | 24 | | | 10 | 8 | 55 | 85 | | | CO | IM |
| ACG SERIES | TRA | 1.2 | 2.8 | | 100 | 12 | | | 10 | 6 | 20 | 71 | | | CO | IM |
| S10-1900-20 | TRA | <1.9 | <2.2 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-2000-15 | TRA | <2.0 | <2.1 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-2000-20 | TRA | <2.0 | <2.1 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| L-9 | PAR | *2.1 | | MC | 10 | 12 | 500 | | 20 | <3 | | | | | | SK |
| SMA2115N | AMP | *>2.1 | | | 40 | 9 | | | 10 | 5 | | | 2 | | CO | SM |
| S10-2100-15 | TRA | <2.1 | <2.2 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S10-2100-20 | TRA | <2.1 | <2.2 | FX | 100 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| ACP-2150 | TDA | 2.0 | 2.3 | FX | 300 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 26 | | CO | IM |
| PC15AA | PAR | 1.9 | 2.4 | FX | 30 | 115 | 1500 | | 20 | 2 | 0 | 50 | 440 | 144 | CO | IS |
| S20-2200-15 | TRA | 2.1 | 2.3 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-2200-20 | TRA | 2.1 | 2.3 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| SMA2250N | AMP | *>2.2 | | | 100 | 12 | | | 15 | 5 | | | 3 | | CO | SM |
| ALN223 | AMP | 2.2 | 2.3 | | | 20 | 30 | *0 | 25 | <6 | | | <10 | 8.3 | CO | OP |
| SP-2250/1500 | PRE | 1.5 | 3.0 | | | 12 | 50 | *0 | 25 | 9 | | | <2 | | CO | AP |
| MDS2223 | PRE | 2.2 | 2.3 | | | | 5 | *+5 | 10 | <6 | | | 5 | 6.0 | CO | ME |
| WJ772-5 | TRA | 2.2 | 2.3 | | | 115 | | *5 | 25 | 6 | 30 | 65 | 12 | 9.0 | CO | WJ |
| A230N | AMP | 2.2 | 2.3 | | | 24 | | *+10 | 25 | 6 | 54 | 71 | <10 | 12.0 | CO | OP |
| TQN-2250 | TRA | 2.2 | 2.3 | | | 20 | 30 | | 15 | <6 | | | 3 | 6.0 | CO | MS |
| HFW-2(TX)-2223 | AMP | 2.2 | 2.3 | | | 12 | 20 | | 18 | <6 | | | 7 | 7.0 | CO | AR |
| MTAC-2250-8 | TDA | 2.2 | 2.3 | | | 28 | | | 20 | <4 | 0 | 50 | 88 | | CO | MS |
| TQN-103 | TRA | 2.2 | 2.3 | | | 20 | 35 | | 20 | 6 | 50 | 70 | 15 | | CO | MS |
| TQN-103A | TRA | 2.2 | 2.3 | | | 20 | 35 | | 20 | <6 | 50 | 70 | 15 | | CO | MS |
| TQN-105 | TRA | 2.2 | 2.3 | | | 20 | 35 | | 25 | <6 | 50 | 70 | 15 | | CO | MS |
| MDA2223 | PRE | 2.2 | 2.3 | | | -20 | 30 | | 25 | <6 | | | 14 | | CO | ME |
| TQN-105 | TRA | 2.2 | 2.3 | | | 20 | 35 | | 25 | <6 | 50 | 70 | 15 | | CO | MS |
| L-7 | PAR | *2.3 | | FX | 400 | 12 | 500 | | 12 | 2 | | | | | | SK |
| L-8 | PAR | *2.3 | | FX | 150 | 12 | 500 | | 15 | 2 | | | | | | SK |
| S20-2400-15 | TRA | 2.3 | 2.5 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| S20-2400-20 | TRA | 2.3 | 2.5 | FX | 200 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| ACP-2450 | TDA | 2.3 | 2.6 | FX | 300 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 26 | | CO | IM |
| S-8 | PAR | *2.5 | | MC | 25 | 12 | 500 | | 20 | <1 | | | | | | SK |
| WJ6007 | TRA | 1.0 | 4.0 | | | 115 | | *+5 | 25 | <8 | | | 9 | 6.0 | CO | WJ |
| 4020100 SERIES | AMP | 1.0 | 4.0 | | OCT | 12 | | *+5 | 20 | 10 | 54 | 71 | 10 | | CO | MO |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| ACP-2600 | TDA | 2.4 | 2.8 | FX | 400 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 26 | | CO | IM |
| EA-105 | AMP | 2.2 | 3.0 | | 2% | 28 | | 1W | 16 | | | | | | CO | GP |
| PC25AA | PAR | 2.2 | 3.3 | | 40 | 115 | 1500 | | 20 | 2 | 0 | 50 | 440 | 144 | CO | IS |
| PB25AB | PAR | 2.2 | 3.3 | FX | 100 | 115 | 1500 | | 20 | 2 | 0 | 50 | 222 | 112 | CO | IS |
| ACP-2800 | TDA | 2.6 | 3.0 | FX | 400 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 26 | | CO | IM |
| PC80AA | PAR | 2.7 | 2.9 | | 40 | 115 | 1500 | | 20 | 2 | 0 | 50 | 440 | 144 | CO | IS |
| S-6 | PAR | *3.0 | | FX | 600 | 12 | 500 | | 12 | 2 | | | | | | SK |
| S-7 | PAR | *3.0 | | FX | 850 | 12 | 500 | | 14 | <2 | | | | | | SK |
| MFW-3(TX)-2040 | TRA | 2.0 | 4.0 | | | 15 | 30 | | 15 | <9 | 40 | 71 | <5 | 10.0 | CO | AR |
| DM-3.0-30-20-10 | MIA | 2.0 | 4.0 | | | 28 | | | 15 | 8 | 50 | 70 | 5 | | CO | MP |
| MMP2-4 SERIES | MIA | 2.0 | 4.0 | | 240 | 12 | 40 | | 20 | 8 | 30 | 71 | | | CO | RH |
| ACP-3000 | TDA | 2.8 | 3.2 | FX | 400 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 13 | | CO | IM |
| WJ1136 | AMP | 2.0 | 4.0 | YT | 25 | | | *-5 | 20 | 11 | | | 53 | 80.0 | CO | WJ |
| MMC 20-3.0 | MIA | 2.0 | 4.0 | FX | 2K | 25 | 25 | *0 | 20 | <8 | 40 | 71 | 1 | | CO | IM |
| MPC 20-3.0 | MIA | 2.0 | 4.0 | FX | 2K | 12 | 25 | *0 | 20 | 9 | 40 | 71 | 5 | | CO | IM |
| MMC 30-3.0 | MIA | 2.0 | 4.0 | FX | 2K | 25 | 25 | *0 | 30 | <8 | 40 | 71 | 1 | | CO | IM |
| MPC 30-3.0 | MIA | 2.0 | 4.0 | FX | 2K | 12 | 25 | *0 | 30 | 9 | 40 | 71 | 5 | | CO | IM |
| SP-3000/2000 | PRE | 2.0 | 4.0 | | | 12 | 50 | *0 | 20 | 10 | | | <3 | | CO | AP |
| SPS3000/2000 | PRE | 2.0 | 4.0 | | | 115 | 2W | *0 | 20 | 10 | | | 18 | | CO | AP |
| AMT-4002 | TRA | 2.0 | 4.0 | | | 15 | 40 | *+4 | <10 | 10 | | | 1 | 3.5 | CO | AV |
| AMT-4003 | TRA | 2.0 | 4.0 | | | 15 | 60 | *+4 | 14 | 10 | | | 1 | 3.5 | CO | AV |
| AMT-4004 | TRA | 2.0 | 4.0 | | | 15 | 80 | *+4 | 19 | 10 | | | <2 | 6.3 | CO | AV |
| WJ5004-4 | TRA | 2.0 | 4.0 | | | 115 | 30 | *5 | 25 | 7 | | | 12 | 6.0 | CO | WJ |
| AMT2300 | AMP | 2.0 | 4.0 | | | 15 | 23 | *+6 | 15 | <6 | | | | | CO | AV |
| WJ3017 | AMP | 2.0 | 4.0 | YT | 25 | | | *+7 | 30 | 11 | | | 150 | 160 | CO | WJ |
| AM-4000N | TRA | 2.0 | 4.0 | | | 15 | 75 | *+7 | 28 | 9 | 54 | 95 | | 9.0 | | AV |
| AM-4001N | TRA | 2.0 | 4.0 | | | 15 | 85 | *+7 | 33 | 9 | | | | | | AV |
| AM-4002N | TRA | 2.0 | 4.0 | | | 15 | 70 | *+7 | 23 | 9 | | | | | | AV |
| AM-4050N | TRA | 2.0 | 4.0 | | | 15 | 75 | *+7 | 29 | <8 | | | | | | AV |
| AM-4051N | TRA | 2.0 | 4.0 | | | 15 | 85 | *+7 | 34 | <8 | | | | | | AV |
| AM-4052N | TRA | 2.0 | 4.0 | | | 15 | 70 | *+7 | 24 | <8 | | | | | | AV |
| AM-4053N | TRA | 2.0 | 4.0 | | | 15 | 90 | *+7 | 38 | <8 | | | | | | AV |
| AMT2301 | AMP | 2.0 | 4.0 | | | 15 | 50 | *+10 | 22 | <6 | | | | | CO | AV |
| AMT2302 | AMP | 2.0 | 4.0 | | | 15 | 70 | *+10 | 30 | <6 | | | | | | AV |
| AMT2303 | AMP | 2.0 | 4.0 | | | 15 | 90 | *+10 | 38 | <6 | | | | | | AV |
| AMT-4005 | TRA | 2.0 | 4.0 | | | 15 | 100 | *+10 | 23 | 10 | | | <2 | 6.3 | CO | AV |
| AMT-4006 | TRA | 2.0 | 4.0 | | | 15 | 120 | *+10 | 28 | 10 | | | <2 | 6.3 | CO | AV |
| AMT-4007 | TRA | 2.0 | 4.0 | | | 15 | 140 | *+10 | 32 | 10 | | | 2 | 9.0 | CO | AV |
| AMT-4008 | TRA | 2.0 | 4.0 | | | 15 | 160 | *+10 | 37 | 10 | | | 2 | 9.0 | CO | AV |
| WJ5004-2 | TRA | 2.0 | 4.0 | | | 115 | | *10 | 30 | <9 | | | 22 | 22.0 | CO | WJ |
| JHC3100/475 | MIA | *3.1 | | | | 15 | 40 | *+10 | 22 | 8 | | | | | CO | AP |
| WJ5090-4 | TRA | 2.0 | 4.5 | | | 115 | | *+5 | 25 | <8 | | | 9 | 6.0 | CO | WJ |
| ACP-3300 | TDA | 3.0 | 3.6 | FX | 600 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 13 | | CO | IM |
| ACP-3600 | TDA | 3.3 | 3.9 | FX | 600 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 13 | | CO | IM |
| ACP-3950 | TDA | 3.6 | 4.3 | FX | 700 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 13 | | CO | IM |
| WJ5004-3 | TRA | 3.7 | 4.2 | | | -48 | | *0 | 15 | 9 | | | <8 | 3.0 | CO | WJ |
| 550-3950-20 | TRA | 3.7 | 4.2 | FX | 500 | 24 | | *+6 | | <5 | 55 | 85 | 8 | | CO | IM |
| ACP-4300 | TDA | 4.0 | 4.7 | FX | 700 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 13 | | CO | IM |
| ACP-4650 | TDA | 4.3 | 5.0 | FX | 700 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| ACP-5000 | TDA | 4.7 | 5.3 | FX | 600 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| WJ3023 | AMP | 2.0 | 8.0 | YT | 25 | | | *-5 | 20 | <13 | | | 374 | 400 | CO | WJ |
| JHM-3(TX)-4965-3 | AMM | *5.0 | | | | 28 | 450 | 1250 | | | | | 247 | 70.0 | | AP |
| ACP-5300 | TDA | 5.0 | 5.6 | FX | 600 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| ACP-5600 | TDA | 5.3 | 5.9 | FX | 600 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| ACP-5900 | TDA | 5.6 | 6.3 | FX | 700 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| DM-6.0-30-20-10 | MIA | 4.0 | 8.0 | | | 28 | | | 15 | <9 | 50 | 70 | 5 | | CO | MP |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.³ | Oz. | | |
| MMP4-8 SERIES | MIA | 4.0 | 8.0 | | 240 | 12 | 40 | | 20 | 8 | 30 | 71 | | | CO | RH |
| MMC 20-6.0 | MIA | 4.0 | 8.0 | FX | 4K | 25 | 25 | *0 | 20 | 8 | 40 | 71 | 1 | | CO | IM |
| MPC 20-6.0 | MIA | 4.0 | 8.0 | FX | 4K | 12 | 25 | *0 | 20 | 9 | 40 | 71 | 6 | | CO | IM |
| MMC 30-6.0 | MIA | 4.0 | 8.0 | FX | 4K | 25 | 25 | *0 | 30 | 8 | 40 | 71 | 1 | | CO | IM |
| MPC 30-6.0 | MIA | 4.0 | 8.0 | FX | 4K | 12 | 25 | *0 | 30 | 9 | 40 | 71 | 6 | | CO | IM |
| WJ3018 | AMP | 4.0 | 8.0 | YT | 30 | | | *+7 | 30 | <12 | | | 150 | 160 | CO | WJ |
| ACP-6300 | TDA | 5.9 | 6.7 | FX | 800 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| WJ5060 | AMM | 1.0 | 12.4 | YT | | 15 | 900 | 10 | | | 0 | 50 | 270 | 176 | CO | WJ |
| ACP-6700 | TDA | 6.3 | 7.1 | FX | 800 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | <5 | | CO | IM |
| SYM8410 SERIES | MIA | 5.5 | 8.5 | | | 12 | 40 | *+5 | 30 | <9 | 65 | 125 | 2 | | CO | AI |
| ACP-7100 | TDA | 6.7 | 7.5 | FX | 800 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 6 | | CO | IM |
| WJ5059 | AMM | 2.0 | 12.4 | YT | | 15 | 900 | 10 | | | 0 | 50 | 270 | 168 | CO | WJ |
| ACP-7900 | TDA | 7.5 | 8.3 | FX | 800 | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 6 | | CO | IM |
| X-6 | PAR | *8.0 | | FX | 1K | 12 | 500 | | 14 | <3 | | | | | | SK |
| MP7/2 SERIES | PRE | 7.5 | 8.5 | | | +12 | | | 25 | 7 | | | | | WG | RH |
| WJ3022 | AMP | 4.0 | 12.0 | YT | 25 | | | *-5 | 25 | 14 | | | 193 | 210 | CO | WJ |
| X-2 | PAR | *8.2 | | MC | 20 | 12 | 500 | | 20 | 3 | | | | | | SK |
| X-11 | PAR | *8.4 | | MC | 30 | 12 | 500 | | 20 | <3 | | | | | | SK |
| ACP-8650 | TDA | 7.9 | 9.4 | FX | 15H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 6 | | CO | IM |
| MPW 30-9.0 | MIA | 8.5 | 9.6 | FX | 11H | 12 | 25 | *0 | 30 | <9 | 40 | 71 | <5 | | WG | IM |
| MPW 20-9.0 | MIA | 8.5 | 9.6 | FX | 11H | 12 | 25 | *0 | 20 | <9 | 40 | 71 | <5 | | WG | IM |
| MP8/2 SERIES | PRE | 8.5 | 9.6 | | | +12 | | | 25 | 7 | | | | | WG | RH |
| X-7 | PAR | *9.3 | | FX | 1K | 12 | 500 | | 15 | <3 | | | | | | SK |
| X-10 | PAR | *9.3 | | FX | 200 | 12 | 500 | | 20 | 3 | | | | | | SK |
| ACP-9400 | TDA | <8.7 | 10.2 | FX | 15H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 2 | | CO | IM |
| ACP SERIES | TDA | 1.7 | 18.0 | | 100 | | | 50 | 10 | 5 | | | | | CO | IM |
| OM-10.0-30-20-10 | MIA | 8.0 | 12.0 | | | 28 | | | 15 | 9 | 50 | 70 | 5 | | CO | MP |
| ACP-10000 | TDA | 9.4 | 10.6 | FX | 12H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 2 | | CO | IM |
| MMC 30-10 | MIA | 8.0 | 12.0 | FX | 40H | 25 | 25 | *0 | 30 | 9 | 40 | 71 | <2 | | CO | IM |
| MPC 30-10 | MIA | 8.0 | 12.0 | FX | 40H | 12 | 25 | *0 | 30 | 10 | 40 | 71 | 6 | | WG | IM |
| MMC 20-10 | MIA | 8.0 | 12.0 | FX | 40H | 25 | 25 | *0 | 20 | 9 | 40 | 71 | <2 | | CO | IM |
| MPC 20-10 | MIA | 8.0 | 12.0 | FX | 40H | 12 | 25 | *0 | 20 | 10 | 40 | 71 | 6 | | CO | IM |
| SYM8420 SERIES | MIA | 8.5 | 11.5 | | | 12 | 40 | *+5 | 30 | 9 | 65 | 125 | 2 | | CO | AI |
| EID9000X | MIA | *10.0 | | | 10% | 15 | 40 | *+7 | 55 | 6 | | | | | WG | FM |
| WJ3019 | AMP | 8.0 | 12.0 | YT | 30 | | | *+7 | 30 | <12 | | | 150 | 160 | CO | WJ |
| ACP-10500 | TDA | 10.0 | 11.2 | FX | 12H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 2 | | CO | IM |
| MPW 20-10 | MIA | 9.5 | 12.5 | FX | 29H | 12 | 25 | *0 | 20 | 9 | 40 | 71 | <5 | | WG | IM |
| MPW 30-10 | MIA | 9.5 | 12.5 | FX | 29H | 12 | 25 | *0 | 30 | 9 | 40 | 71 | <5 | | WG | IM |
| ACP-11200 | TDA | 10.6 | 11.8 | FX | 12H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 2 | | CO | IM |
| ACP-11800 | TDA | 11.2 | 12.4 | FX | 12H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 2 | | CO | IM |
| SYM8430 SERIES | MIA | 10.7 | 13.2 | | | 12 | 40 | *+5 | 30 | 9 | 65 | 125 | 2 | | CO | AI |
| ACP-12400 | TDA | 11.8 | 13.0 | FX | 12H | 24 | 15 | *-29 | 10 | <5 | 10 | 71 | 2 | | CO | IM |
| ACP-13000 | TDA | 12.0 | 14.0 | FX | 20H | 24 | 15 | *-29 | 10 | 6 | 10 | 71 | 2 | | CO | IM |
| WJ3024 | AMP | 8.0 | 18.0 | YT | 30 | | | *-5 | 20 | 14 | | | 374 | 400 | CO | WJ |
| 3800-9200 | AMM | 13.2 | 14.0 | | 400 | 28 | 500 | 50 | | | +5 | 35 | 98 | 92.0 | CO | TR |
| ACP-14000 | TDA | 13.0 | 15.0 | FX | 20H | 24 | 15 | *-29 | 10 | 6 | 10 | 71 | 2 | | CO | IM |
| 3800-9202 | AMM | 14.4 | 15.2 | | 400 | 28 | 500 | 50 | | | +5 | 35 | 98 | 92.0 | CO | TR |
| ACP-15000 | TDA | 14.0 | 16.0 | FX | 20H | 24 | 15 | *-29 | 10 | 6 | 10 | 71 | 2 | | CO | IM |
| MMC 20-15 | MIA | 12.0 | 18.0 | FX | 60H | 25 | 25 | *0 | 20 | 10 | 40 | 71 | <2 | | CO | IM |
| MMC 30-15 | MIA | 12.0 | 18.0 | FX | 60H | 25 | 25 | *0 | 30 | 10 | 40 | 71 | <2 | | CO | IM |
| WJ3020 | AMP | 12.0 | 18.0 | YT | 35 | | | *+7 | 30 | 14 | | | 171 | 176 | CO | WJ |
| MPW 20-15 | MIA | 12.4 | 18.0 | FX | 54H | 12 | 25 | *0 | 20 | 10 | 40 | 71 | 6 | | WG | IM |
| MPW 30-15 | MIA | 12.4 | 18.0 | FX | 54H | 12 | 25 | *0 | 30 | 10 | 40 | 71 | 6 | | WG | IM |
| ACP-16000 | TDA | 15.0 | 17.0 | FX | 20H | 24 | 15 | *-29 | 10 | 6 | 10 | 71 | 2 | | CO | IM |
| ACP-17000 | TDA | 16.0 | 18.0 | FX | 20H | 24 | 15 | *-29 | 10 | 6 | 10 | 71 | 2 | | CO | IM |
| ACP-18000 | TDA | 17.0 | 19.0 | FX | 20H | 24 | 15 | *-29 | 10 | 6 | 10 | 71 | 2 | | CO | IM |
| KA-1 | PAR | *35.0 | | FX | 650 | 12 | 500 | | 9 | 8 | | | | | | SK |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT #PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| PS-8 | OSC | 0.2 | <0.3 | ME | | | | | | | | | 5 | 5.0 | CO | EF |
| PS-10 | OSC | <0.2 | 0.3 | ME | | | | | | | | | 5 | 5.0 | CO | EF |
| PS-9 | OSC | <0.2 | 0.3 | ME | | | | | | | | | 5 | 5.0 | CO | EF |
| 6508 | OSC | >0.2 | <0.3 | | | 28 | 1A | 3000 | | | 20 | 85 | 18 | 16.0 | CO | ZL |
| FS-38 | OSX | 0.1 | <0.5 | | | 15 | | 5 | | | 10 | 50 | 34 | | CO | FR |
| 28651-18 | OSC | <*0.3 | | MC | 20% | 20 | 150 | 200 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| M-250-250 | OSX | <*0.3 | | MC | 10% | 28 | | 250 | | | 55 | 85 | 1 | | CO | MP |
| 4222 | OSX | <*0.3 | | | | 28 | 250 | 1500 | | | 20 | 65 | 15 | | CO | ZL |
| 4230 | OSX | <*0.3 | | | | 28 | 250 | 1500 | | | 20 | 65 | 9 | | CO | ZL |
| PS-11 | OSC | 0.2 | 0.4 | ME | | | | | | | | | 5 | 5.0 | CO | EF |
| 28671-60 | OSC | 0.2 | 0.5 | VT | OCT | 20 | 200 | 250 | | | 0 | 71 | 1 | 1.3 | CO | OS |
| 28781-60 | OSC | 0.2 | 0.5 | VT | OCT | 24 | 250 | 400 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 4210 | OSX | <0.3 | 0.5 | | | 15 | 50 | 10 | | | 20 | 65 | <4 | | CO | ZL |
| FS-218 | OSX | <0.3 | <0.5 | | | 15 | | 10 | | | 10 | 50 | 5 | | CO | FR |
| VT-0451 | OSC | <0.3 | 0.5 | VT | | -30 | | 50 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| WJ2811 | VTO | <0.3 | 0.5 | VT | | 24 | 200 | 100 | | | | | 4 | 6.0 | CO | WJ |
| VT-0452 | OSC | <0.3 | 0.5 | VT | | -30 | | 500 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| FS-2M | OSC | 0.2 | 0.6 | VT | 12% | 60 | 300 | 1000 | | | 10 | 70 | <4 | | CO | FR |
| EP-149C | OSC | >0.3 | <0.6 | VT | OCT | 24 | | 20 | | | +10 | 45 | | | CO | GR |
| EP-146C | OSC | 0.3 | 0.6 | VT | OCT | 24 | | 20 | | | | | 38 | | CO | GR |
| 28781-61 | OSC | 0.3 | 0.6 | VT | OCT | 24 | 250 | 200 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 28651-21 | OSC | <*0.5 | | MC | 20% | 20 | 150 | 100 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| M-450-250 | OSX | <*0.5 | | MC | 10% | 28 | | 250 | | | 55 | 85 | 1 | | CO | MP |
| 4231 | OSX | *0.5 | | | | 28 | 250 | 1500 | | | 20 | 65 | 9 | | CO | ZL |
| S108V | OSC | 0.3 | 0.7 | VT | 150 | 28 | 1A | #10W | | | | | | | CO | AC |
| VT-0531 | OSC | <0.4 | <0.8 | VT | | -30 | | 30 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| 28652-22 | OSC | <*0.6 | | MC | 20% | 20 | 150 | 100 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| VT-0532 | OSC | <0.4 | <0.8 | VT | | -30 | | 300 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| EL-130 | CSO | 0.5 | 0.8 | MC | 300 | 24 | | 10 | | | 0 | 50 | 11 | | CO | GR |
| DG-760-UHF | OSX | 0.3 | 1.0 | FX | | 28 | | 50W | | | 54 | 85 | | | CO | SA |
| 28652-23 | OSC | <*0.7 | | MC | 20% | 20 | 150 | 25 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| M-720-250 | OSX | <*0.7 | | MC | 10% | 28 | | 250 | | | 55 | 85 | 1 | | CO | MP |
| S-1002-B | OSX | 0.6 | 0.8 | | | 24 | | 1W | | | 30 | 60 | 21 | | CO | AC |
| PS-12 | OSC | 0.5 | 1.0 | ME | | | | | | | | | 5 | 5.0 | CO | EF |
| DP-100 | YTO | 0.5 | 1.0 | | | 15 | 50 | 5 | | | 20 | 60 | <6 | 8.0 | CO | PE |
| EY-117A | OSX | 0.5 | 1.0 | | | 28 | | 5 | | | 0 | 50 | 20 | | CO | GR |
| 4211 | OSX | 0.5 | 1.0 | | | 15 | 65 | 10 | | | 20 | 65 | <5 | | CO | ZL |
| WJ571 | YTO | 0.5 | 1.0 | | | 15 | 60 | 20 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| WJ5077 | YTO | 0.5 | 1.0 | YT | OCT | 15 | 245 | 20 | | | | | <16 | 20.0 | CO | WJ |
| VT-0751 | OSC | 0.5 | 1.0 | VT | | -30 | | 50 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| EY-103A | OSX | 0.5 | 1.0 | | | 28 | | 100 | | | 0 | 50 | 30 | | CO | GR |
| WJ571-1 | YTO | 0.5 | 1.0 | YT | OCT | 15 | 60 | 100 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| VT-0712 | OSC | 0.5 | 1.0 | VT | | -30 | | 100 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| WJ2800 | VTO | 0.5 | 1.0 | VT | | 24 | 200 | 100 | | | | | 4 | 6.0 | CO | WJ |
| 28672-62 | OSC | 0.5 | 1.0 | VT | OCT | 20 | 200 | 150 | | | 0 | 70 | 1 | 1.3 | CO | OS |
| 28782-62 | OSC | 0.5 | 1.0 | VT | OCT | 24 | 250 | 200 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| FS-35A | OSC | 0.5 | 1.0 | VT | OCT | 28 | | 250 | | | 0 | 60 | 2 | | CO | FR |
| VT-0722 | OSC | 0.5 | 1.0 | VT | | -30 | | 250 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| DA75JA | OSC | 0.5 | 1.0 | VT | | -30 | 120 | 400 | | | 30 | 60 | 2 | 6.0 | CO | IS |
| VT-0752 | OSC | 0.5 | 1.0 | VT | | -30 | | 500 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| EP-149D | OSC | <0.6 | 1.0 | VT | OCT | 24 | | 20 | | | +10 | 45 | | | CO | GR |
| EP-146D | OSC | 0.6 | 1.0 | VT | OCT | 24 | | 20 | | | | | 38 | | CO | GR |
| MQ10300 SERIES | OSC | 0.2 | 1.4 | MC | 20% | -20 | 150 | 50 | | | 25 | 75 | 2 | 2.2 | CO | MQ |
| FS-2R | OSC | 0.2 | 1.4 | MC | 1% | 40 | | 1000 | | | 0 | 60 | 6 | | CO | FR |
| 28652-24 | OSC | >*0.8 | | MC | 20% | 20 | 150 | 25 | | | 20 | 71 | 1 | 1.3 | CO | OS |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT *PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| WJ571-10 | YTO | <0.8 | <0.9 | | | 24 | 530 | 60 | | | 0 | 50 | 30 | 24.0 | CO | WJ |
| WJ571-6 | YTO | 0.6 | 1.2 | | | 15 | 60 | 50 | | | | | 3 | 9.0 | CO | WJ |
| FS-2 | OSC | 0.6 | 1.2 | VT | 12% | 60 | 300 | 1000 | | | 10 | 70 | <4 | | CO | FR |
| S-1002-8 | OSX | 0.8 | 1.0 | | | 24 | | 1W | | | 30 | 60 | 21 | | CO | AC |
| FS-2H | OSC | 0.6 | 1.2 | VT | 10% | 60 | 300 | 2000 | | | 10 | 70 | <4 | | CO | FR |
| AF0106 | OSC | >0.6 | >1.2 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| FS-21CLP | OSX | <0.5 | 1.5 | | | 15 | | 5 | | | 10 | 50 | <13 | | CO | FR |
| FS-36 | OSC | 0.5 | 1.5 | VT | OCT | 28 | | 10 | | | 0 | 60 | 2 | | CO | FR |
| EL-131 | CSO | 0.8 | 1.2 | MC | 400 | 24 | | 10 | | | 0 | 50 | 11 | | CO | GR |
| 286523-25 | OSC | *1.0 | | MC | 20% | 20 | 100 | 25 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| AXO-10 | OSX | *1.0 | | | | 28 | 140 | 50 | | | 35 | 90 | | | CO | AT |
| 4200 | OSX | *1.0 | | | | 28 | 250 | 1000 | | | 20 | 65 | 9 | | CO | ZL |
| 4232 | OSX | *1.0 | | | | 28 | 250 | 1000 | | | 20 | 65 | 9 | | CO | ZL |
| 4242 | OSX | *1.0 | | | | 28 | 250 | 1000 | | | | | 18 | | CO | ZL |
| M1000-2000 | OSX | *1.0 | | MC | 10% | 28 | | 2000 | | | 55 | 85 | 1 | | CO | MP |
| 4002 | CSO | <0.8 | 1.3 | | 10% | 28 | 125 | 50 | | | | | 6 | | CO | ZL |
| MO(L)-102 | OSC | <1.0 | 1.1 | MC | | -20 | 120 | 250 | | | 30 | 60 | 7 | 8.0 | | FS |
| WJ571-11 | YTO | <0.6 | >1.5 | | | 15 | 60 | 20 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| FS-6 | OSC | 0.3 | 1.8 | VT | 15% | 24 | | 20 | | | 55 | 90 | 2 | | CO | FR |
| FS-5 | OSC | 0.1 | 2.0 | MC | 15% | 28 | | 25 | | | 0 | 60 | 2 | | CO | FR |
| FS-7 | OSC | 0.1 | 2.0 | MC | 15% | 28 | | 50 | | | 0 | 60 | 2 | | CO | FR |
| FS-6H | OSC | 0.3 | 1.8 | VT | 10% | 24 | | 100 | | | 55 | 90 | 2 | | CO | FR |
| FS-7R | OSC | 0.1 | 2.0 | MC | 1% | 28 | | 100 | | | 0 | 60 | 2 | | CO | FR |
| M-1030-250 | OSX | <*1.1 | | MC | 10% | 28 | | 250 | | | 55 | 85 | 1 | | CO | MP |
| 287834-63 | OSC | 0.7 | 1.5 | VT | OCT | 24 | 250 | 50 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 430A | OSC | 1.0 | 1.2 | VT | 100 | 24 | 250 | 1W | | | 40 | 70 | 3 | | CO | AK |
| S-1002-10 | OSX | 1.0 | 1.2 | | | 24 | | 1W | | | 30 | 60 | 21 | | CO | AC |
| 117000MS | OSC | *1.1 | | MC | | 30 | 1A | #5W | | | 54 | 81 | <4 | 6.0 | CO | CL |
| 1135-MOR | OSC | *1.1 | | MC | 10 | 42 | 3A | #35W | | | 54 | 81 | <4 | 6.0 | CO | CL |
| FS-39 | OSX | <0.5 | 1.8 | | | 28 | | 1 | | | 10 | 50 | 45 | | CO | FR |
| FS-21CMP | OSX | <0.5 | 1.8 | | | 28 | | 10 | | | 0 | 60 | <13 | | CO | FR |
| VT-1131 | OSC | <0.8 | 1.5 | VT | | -30 | | 30 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| FS-21CHP | OSX | <0.5 | 1.8 | | | 28 | | 50 | | | 10 | 50 | <13 | | CO | FR |
| VT-1132 | OSC | <0.8 | 1.5 | VT | | -30 | | 300 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| DG715 | OSC | 0.8 | <1.5 | MC | | 15 | 35 | 10 | | | 0 | 85 | 5 | | CO | SA |
| EP-146E | OSC | 0.8 | 1.5 | VT | OCT | 24 | | 20 | | | | | 38 | | CO | GR |
| EP-149E | OSC | 0.8 | 1.5 | VT | OCT | 24 | | 20 | | | +10 | 45 | | | CO | GR |
| MQ10600 SERIES | OSC | 0.3 | 2.0 | VT | OCT | 20 | 150 | 50 | | | 25 | 75 | <1 | <0.7 | CO | MQ |
| MO(L)-104 | OSC | >1.1 | >1.2 | MC | | 20 | 120 | 250 | | | 30 | 60 | 7 | 8.0 | | FS |
| 28653-26 | OSC | *1.2 | | MC | 20% | 20 | 100 | 10 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| M-1220-250 | OSX | *1.2 | | MC | 10% | 28 | | 250 | | | 55 | 85 | 1 | | CO | MP |
| WJ2813-3 | VTO | <1.2 | >1.3 | VT | | 15 | 200 | 100 | | | | | 4 | 6.0 | CO | WJ |
| MO(L)-106 | OSC | 1.2 | >1.3 | MC | | 20 | 120 | 250 | | | 30 | 60 | 7 | 8.0 | | FS |
| FS-26 | CSO | 1.2 | 1.5 | MC | 300 | 24 | 80 | 10 | | | 30 | 71 | <4 | | CO | FR |
| EL-101 | CSO | 1.2 | 1.6 | MC | 400 | 24 | | 10 | | | 0 | 50 | 4 | | CO | GR |
| 430B | OSC | 1.3 | 1.5 | VT | 100 | 24 | 250 | 1W | | | 40 | 70 | 3 | | CO | AK |
| MO(L)-108 | OSC | >1.3 | >1.5 | MC | | 20 | 120 | 250 | | | 30 | 60 | 7 | 8.0 | | FS |
| DG720 | OSC | >1.4 | >1.5 | FX | | 28 | 350 | 2W | | | 55 | 75 | 4 | | CO | SA |
| M-1480-250 | OSX | <*1.5 | | MC | 10% | 28 | | 250 | | | 55 | 85 | 1 | | CO | MP |
| OL-103 | YTO | 1.0 | 2.0 | | | 15 | 50 | 5 | | | 20 | 60 | <6 | 8.0 | CO | PE |
| WJ569-1 | YTO | 1.0 | 2.0 | YT | OCT | 15 | 60 | 10 | | | 30 | 65 | <3 | 9.0 | CO | WJ |
| 28653-27 | OSC | *1.5 | | MC | 20% | 20 | 100 | 10 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| WJ5078 | YTO | 1.0 | 2.0 | YT | OCT | 15 | 440 | 15 | | | | | <16 | 20.0 | CO | WJ |
| AXO-15 | OSX | *1.5 | | | | 28 | 140 | 20 | | | 35 | 90 | | | CO | AT |
| WJ569 | YTO | 1.0 | 2.0 | YT | OCT | 15 | 60 | 20 | | | 30 | 65 | 3 | 9.0 | CO | WJ |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT *PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| WJ2802 | VTO | 1.0 | 2.0 | VT | | 15 | 250 | 30 | | | | | 4 | 6.0 | CO | WJ |
| WJ569-3 | YTO | 1.0 | 2.0 | YT | OCT | 15 | 60 | 50 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| MVL-2700 | OSC | 1.0 | 2.0 | VT | | 20 | 80 | 50 | | | 30 | 60 | 2 | 4.0 | | FS |
| 28673-64 | OSC | 1.0 | 2.0 | VT | OCT | 20 | 200 | 50 | | | 0 | 70 | 1 | 1.3 | CO | OS |
| 28783-64 | OSC | 1.0 | 2.0 | VT | OCT | 24 | 250 | 50 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| WJ2803 | VTO | 1.0 | 2.0 | VT | | 15 | 250 | 100 | | | | | 4 | 6.0 | CO | WJ |
| 28773-64 | OSC | 1.0 | 2.0 | VT | OCT | 20 | 200 | 100 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| 0850JB | OSC | 1.0 | 2.0 | VT | | -24 | 150 | 150 | | | | | <3 | 5.0 | CO | IS |
| 0850JA | OSC | 1.0 | 2.0 | VT | | -20 | 150 | 200 | | | 30 | 60 | 2 | 6.0 | CO | IS |
| VT-1522 | OSC | 1.0 | 2.0 | VT | | -30 | | 250 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| DG-700-L | OSC | 1.0 | 2.0 | | | 28 | 500 | 5000 | | | 55 | 75 | <5 | | CO | SA |
| DG-760-L | OSX | 1.0 | 2.0 | FX | | 28 | | 10W | | | 54 | 85 | | | CO | SA |
| 4003 | CSO | 1.3 | 1.8 | | 10% | 28 | 125 | 10 | | | | | 6 | | CO | ZL |
| WJ569-2 | YTO | 1.0 | 2.2 | YT | OCT | 15 | 60 | 20 | | | | | 3 | 9.0 | CO | WJ |
| MO(L)-110 | OSC | 1.5 | >1.7 | MC | | 20 | 120 | 100 | | | 30 | 60 | 7 | 8.0 | | FS |
| EY-113A | OSX | 1.0 | 2.5 | | | 28 | | 5 | | | 0 | 50 | 20 | | CO | GR |
| EY-104A | OSX | 1.0 | 2.5 | | | 28 | | 100 | | | 0 | 50 | 30 | | CO | GR |
| 28653-28 | OSC | *1.8 | | MC | 20% | 20 | 100 | 10 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| 182000MV | OSC | *1.8 | | MC | | | | 2W | | | 55 | 85 | 9 | 10 | CO | CL |
| EL-102A | CSO | 1.6 | 2.1 | MC | 500 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| MO(L)-112 | OSC | 1.7 | >2.0 | MC | | 20 | 120 | 75 | | | 30 | 60 | 7 | 8.0 | | FS |
| 6018 | OSX | >1.8 | <2.0 | | | 15 | 200 | *+8 | | | 5 | 55 | 16 | 17.0 | CO | ZL |
| FS-28 | CSO | 1.5 | 2.3 | MC | 800 | 24 | 80 | 10 | | | 30 | 71 | 3 | | CO | FR |
| WJ2810 | VTO | 1.4 | 2.4 | VT | | 15 | 250 | 40 | | | | | 4 | 6.0 | CO | WJ |
| MLT1.7 | OSC | 1.7 | 2.1 | | | 20 | 2A | 2W | | | | | 172 | | CO | RH |
| 28654-29 | OSC | *2.0 | | MC | 20% | 20 | 100 | 10 | | | 20 | 71 | 1 | 1.3 | CO | OS |
| S1007 | OSC | 1.0 | 3.0 | | | | | 75 | | | | | 19 | | CO | AC |
| 4243 | OSX | *2.0 | | | | 28 | 250 | 500 | | | | | 18 | | CO | ZL |
| M-2000-1000 | OSX | *2.0 | | MC | 10% | 28 | | 1000 | | | 55 | 85 | 1 | | CO | MP |
| MQ10000 SERIES | OSC | 0.2 | 4.0 | VT | OCT | -20 | 150 | 50 | | | 25 | 75 | 2 | 2.3 | CO | MO |
| FS-50L | OSC | 1.5 | 2.7 | VT | 15% | 26 | 200 | 150 | | | 0 | 60 | 11 | | CO | FR |
| FS-25 | OSC | 1.8 | 2.5 | VT | 200 | 100 | 24 | 20 | | | 0 | 60 | 2 | | CO | FR |
| FS-30A | OSX | 1.8 | 2.5 | | | 28 | | 20 | | | 0 | 60 | 14 | | CO | FR |
| MO(S)-114 | OSC | 2.0 | >2.3 | MC | | 20 | 120 | 50 | | | 30 | 60 | 5 | 8.0 | | FS |
| DG735 | OSX | *>2.2 | | | | 15 | 50 | 10 | | | 35 | 65 | 5 | | CO | SA |
| DG729 | TOS | *>2.2 | | | | 30 | | 2W | | | 55 | 65 | | | CO | SA |
| VT-2212 | OSC | 1.5 | 3.0 | VT | | -30 | | 100 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| 287734-65 | OSC | 1.5 | 3.0 | VT | OCT | 20 | 200 | 100 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| MLT2.2 | OSC | 2.2 | 2.3 | | | 20 | 2A | 2W | | | | | 172 | | CO | RH |
| DG623 | OSC | 2.2 | 2.3 | FX | | 30 | 375 | #2W | | | 20 | 55 | | | CO | SA |
| FS-220A | OSX | 1.5 | 3.0 | | | 28 | | 3000 | | | 0 | 60 | 30 | | CO | FR |
| M-2250-100 | OSX | <*2.3 | | MC | 10% | 28 | | 100 | | | 55 | 85 | 1 | | CO | MP |
| WJ572-13 | YTO | 2.0 | 2.4 | | | 15 | 60 | 4 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| FS-505 | OSC | 2.0 | 2.4 | VT | 10% | 26 | 200 | 50 | | | 0 | 60 | 11 | | CO | FR |
| EL-132 | CSO | 2.1 | 2.6 | MC | 500 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| WJ572-19 | YTO | <1.6 | >3.1 | | | 15 | 700 | 10 | | | 0 | 50 | 15 | 20.0 | CO | WJ |
| 6000-1307 | OSC | 2.2 | 2.7 | MC | | 28 | 15 | 10 | | | 0 | 70 | 2 | 4.0 | CO | TR |
| MO(S)-116 | OSC | 2.3 | >2.7 | MC | | 20 | 120 | 20 | | | 30 | 60 | 3 | 2.5 | | FS |
| WJ572-32 | YTO | 2.0 | 3.0 | | | 15 | 60 | 4 | | | | | 3 | 9.0 | CO | WJ |
| FS-31 | CSO | 2.0 | 3.0 | MC | 1< | 24 | 80 | 10 | | | 30 | 71 | 3 | | CO | FR |
| DLS2001 | OSC | 1.5 | 3.5 | FX | | -21 | | 50 | | | 30 | 72 | 3 | 4 | CO | CL |
| FS-14A | OSC | 2.3 | 2.9 | | 325 | 60 | 300 | 250 | | | 10 | 70 | 7 | | CO | FR |
| DG717 | OSC | <1.5 | 4.0 | MC | | 15 | 35 | 5 | | | 0 | 85 | 13 | | CO | SA |
| FS-315 | CSO | 2.4 | 3.2 | MC | 800 | 24 | 80 | 10 | | | 30 | 71 | 3 | | CO | FR |
| 6000-1300 | OSC | 2.7 | 3.0 | MC | | 28 | 15 | 15 | | | 0 | 95 | 2 | 4.0 | CO | TR |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| OL-103A | CSO | 2.6 | 3.2 | MC | 600 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| DG790 | OSC | 2.6 | 3.2 | VT | | 26 | 150 | 500 | | | 55 | 75 | <2 | | CO | SA |
| FS-14R | OSC | 2.3 | 3.5 | MC | 1% | 40 | | 500 | | | 0 | 60 | 8 | | CO | FR |
| WJ2805-8 | VTO | <2.2 | <3.7 | VT | | 15 | 200 | 60 | | | | | 4 | 6.0 | CO | WJ |
| MO(S)-118 | OSC | 2.7 | >3.2 | MC | | 20 | 120 | 20 | | | 30 | 60 | 3 | 2.5 | | FS |
| AV-7200 | YTO | 2.0 | 4.0 | YT | 2G | 20 | | | 25 | | 54 | 71 | | | CO | AV |
| AV-7201 | YTO | 2.0 | 4.0 | YT | 2G | 20 | | | 25 | | 0 | 65 | | | CO | AV |
| AV-7202 | YTO | 2.0 | 4.0 | YT | 2G | 20 | | | 30 | | 0 | 65 | | | CO | AV |
| OS-100 | YTO | 2.0 | 4.0 | | | 15 | 50 | 2 | | | 20 | 60 | <5 | 8.0 | CO | PE |
| WJ5079 | YTO | 2.0 | 4.0 | YT | OCT | 15 | 840 | 5 | | | | | <16 | 20.0 | CO | WJ |
| WJ572 | YTO | 2.0 | 4.0 | YT | OCT | 15 | 60 | 6 | | | 30 | 65 | 3 | 9.0 | CO | WJ |
| FS-47 | OSC | 2.0 | 4.0 | VT | OCT | 24 | | 15 | | | 0 | 60 | 2 | | CO | FR |
| WJ2804 | VTO | 2.0 | 4.0 | VT | | 15 | 200 | 20 | | | | | 4 | 6.0 | CO | WJ |
| 28784-66 | OSC | 2.0 | 4.0 | VT | OCT | 24 | 250 | 20 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| VT-3021 | OSC | 2.0 | 4.0 | VT | | -30 | | 25 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| FS-3R | OSC | 2.0 | 4.0 | MC | 1% | 28 | | 30 | | | 0 | 60 | 3 | | CO | FR |
| MVS4700 | OSC | 2.0 | 4.0 | VT | | 20 | 150 | 40 | | | 30 | 60 | 2 | 3.0 | | FS |
| WJ2805 | VTO | 2.0 | 4.0 | VT | | 15 | 200 | 40 | | | | | 4 | 6.0 | CO | WJ |
| JG787 | OSC | *3.0 | | | 500 | 28 | 50 | 50 | | | 55 | 95 | <5 | | CO | SA |
| VT-3051 | OSC | 2.0 | 4.0 | VT | | -30 | | 50 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| 28774-66 | OSC | 2.0 | 4.0 | VT | OCT | 20 | 200 | 70 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| MVS4710 | OSC | 2.0 | 4.0 | VT | | 20 | 150 | 75 | | | 30 | 60 | 2 | 3.0 | | FS |
| OJ00JB | OSC | 2.0 | 4.0 | VT | | -24 | 150 | 100 | | | | | <3 | 5.0 | CO | IS |
| M-3000-100 | OSX | *3.0 | | MC | 10% | 28 | | 100 | | | 55 | 85 | 1 | | CO | MP |
| DG-700-S | OSC | 2.0 | 4.0 | | | 28 | 500 | 3000 | | | 55 | 75 | <5 | | CO | SA |
| DG-760-S | OSX | 2.0 | 4.0 | FX | | 28 | | 5W | | | 54 | 85 | | | CO | SA |
| FS-143 | OSC | 2.8 | 3.3 | VT | 400 | 60 | 300 | 200 | | | 10 | 70 | 7 | | CO | FR |
| 4008 | CSO | 1.3 | 5.0 | | 2% | 28 | 125 | 10 | | | | | 7 | | CO | ZL |
| VT-3141 | OSC | 2.1 | 4.2 | VT | | -30 | | 40 | | | 20 | 60 | 3 | 2.5 | CO | SC |
| EY-119A | OSX | 2.5 | 4.0 | | | 28 | | 5 | | | 0 | 50 | 20 | | CO | GR |
| 4213 | OSX | 1.0 | 5.5 | | | 15 | 200 | 10 | | | 20 | 65 | 9 | 9.0 | CO | ZL |
| 6000-1305 | OSC | 3.1 | 3.4 | MC | | 28 | 15 | 15 | | | 0 | 70 | 2 | 4.0 | CO | TR |
| EY-105A | OSX | 2.5 | 4.0 | | | 28 | | 100 | | | 0 | 50 | 30 | | CO | GR |
| FS-14C | OSC | 3.1 | 3.6 | VT | 450 | 60 | 300 | 200 | | | 10 | 70 | 7 | | CO | FR |
| 6000-1306 | OSC | 3.2 | 3.6 | MC | | 28 | 15 | 8 | | | 0 | 70 | 2 | 4.0 | CO | TR |
| EL-104 | CSO | 3.2 | 3.7 | MC | 500 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| WJ572-33 | YTO | 3.0 | 4.0 | | | 15 | 50 | 4 | | | | | 3 | 9.0 | CO | WJ |
| AXO-35 | OSX | *3.5 | | | | 28 | 140 | 5 | | | 35 | 90 | | | CO | AT |
| FS-31A | CSO | 3.0 | 4.0 | MC | 1K | 24 | 80 | 10 | | | 30 | 71 | 3 | | CO | FR |
| OD65JB | OSC | 3.0 | 4.3 | VT | | -24 | 150 | 30 | | | | | <3 | 5.0 | CO | IS |
| AF035 | OSC | 3.6 | 3.9 | MC | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP035 | OSX | 3.6 | 3.9 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| MS(S)-42 | OSC | 3.6 | 3.9 | MC | | 20 | 300 | 10 | | | 30 | 60 | <6 | 17.0 | | FS |
| AF035H | OSC | 3.6 | 3.9 | | | 20 | 300 | 50 | | | 30 | 60 | 9 | | CO | AT |
| AP035H | OSX | 3.6 | 3.9 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| MS(S)-420 | OSC | 3.6 | 3.9 | MC | | 20 | 400 | 50 | | | 30 | 60 | 30 | 30.0 | | FS |
| FS-220B | OSX | 3.0 | 4.5 | | | 28 | | 1000 | | | 10 | 50 | 30 | | CO | FR |
| EP-150 SERIES | OSC | *1.6 | 6.0 | VT | 5% | 24 | | 5 | | | +10 | 45 | 6 | | CO | GR |
| 28774S-67 | OSC | 2.6 | 5.2 | VT | OCT | 20 | 200 | 20 | | | 0 | 71 | 2 | 1.8 | CO | OS |
| FS-14D | OSC | 3.5 | 4.3 | VT | 500 | 60 | 300 | 200 | | | 10 | 70 | 5 | | CO | FR |
| EL-105 | CSO | 3.7 | 4.2 | MC | 500 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| MLT3.7 | OSC | 3.7 | 4.2 | | | 20 | 2A | 1W | | | | | 172 | | CO | RH |
| AP038 | OSX | >3.8 | 4.1 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| AP038H | OSX | >3.8 | 4.1 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| FS-31B | CSO | 3.5 | 4.5 | MC | 1K | 24 | 80 | 10 | | | 30 | 71 | <3 | | CO | FR |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT #PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| MS(S)-44 | OSC | 3.8 | 4.2 | MC | | 20 | 400 | 10 | | | 30 | 60 | <6 | 17.0 | | FS |
| FS-23 | OSC | 2.5 | 5.5 | VT | 15% | 24 | | 20 | | | 0 | 60 | <5 | | CO | FR |
| MS(S)-440 | OSC | 3.8 | 4.2 | MC | | 20 | 400 | 50 | | | 30 | 60 | 30 | 30.0 | | FS |
| 4244 | OSX | *4.0 | | | | 28 | 250 | 400 | | | | | 18 | | CO | ZL |
| 4201 | OSX | *4.0 | | | | 28 | 250 | 400 | | | 20 | 65 | 17 | | CO | ZL |
| AF038 | OSC | >3.8 | 4.2 | MC | | 30 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AF038H | OSC | >3.8 | 4.2 | | | 20 | 300 | 50 | | | 30 | 60 | 9 | | CO | AT |
| SM-7 | OSC | *4.1 | | FX | | 12 | 30 | 80 | | | | | | | | SK |
| FS-29A | OSX | 2.5 | 6.0 | | | 28 | | 5 | | | 0 | 60 | 50 | | CO | FR |
| FS-30 | OSX | 2.5 | 6.0 | | | 15 | | 5 | | | 0 | 60 | <12 | | CO | FR |
| AF041 | OSC | 4.1 | 4.4 | MC | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP041 | OSX | 4.1 | 4.4 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| FS-30HP | OSX | 2.5 | 6.0 | | | 28 | | 20 | | | 0 | 60 | <12 | | CO | FR |
| AF041H | OSC | 4.1 | 4.4 | | | 20 | 300 | 50 | | | 30 | 60 | 9 | | CO | AT |
| AP041H | OSX | 4.1 | 4.4 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| OD30CM | GOS | 4.2 | 4.4 | MC | 500 | 13 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| EL-105 | CSO | 4.2 | 4.6 | MC | 400 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| MS(C)A-480 | OSC | >4.3 | >4.6 | MC | | 20 | 400 | 50 | | | 30 | 60 | 30 | 30.0 | | FS |
| EY-120A | OSX | 4.0 | 5.0 | | | 28 | | 5 | | | 0 | 50 | 20 | | CO | GR |
| EY-105A | OSX | 4.0 | 5.0 | | | 28 | | 100 | | | 0 | 50 | 30 | | CO | GR |
| FS-14E | OSC | 4.2 | 4.9 | VT | 500 | 60 | 300 | 175 | | | 10 | 70 | 5 | | CO | FR |
| AF043 | OSC | >4.3 | >4.9 | MC | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP043 | OSX | >4.3 | >4.9 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| MS(C)-48 | OSC | >4.3 | >4.9 | MC | | 20 | | 10 | | | 30 | 60 | 6 | 17.0 | | FS |
| AF043H | OSC | >4.3 | >4.9 | | | 20 | 300 | 50 | | | 30 | 60 | 9 | | CO | AT |
| AP043H | OSX | >4.3 | >4.9 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| MLT4.4 | OSC | 4.4 | 5.0 | | | 20 | 2A | 1W | | | | | 172 | | CO | RH |
| OE75F3 | OSC | 4.0 | 5.5 | VT | | -24 | 150 | 25 | | | | | <2 | 4.0 | CO | IS |
| MS(C)3-480 | OSC | 4.6 | >4.9 | MC | | 20 | 400 | 50 | | | 30 | 60 | 30 | 30.0 | | FS |
| FS-14L | OSC | 3.5 | 6.0 | MC | 1% | 40 | | 150 | | | 0 | 60 | 5 | | CO | FR |
| EL-107 | CSO | 4.6 | 5.0 | MC | 400 | 24 | | 10 | | | 0 | 50 | 3 | | CO | GR |
| FS-27H | CSO | 3.6 | 6.0 | MC | 500 | 24 | 90 | 20 | | | 30 | 71 | <4 | | CO | FR |
| JG713 | OSC | 4.0 | 6.0 | MC | | 15 | 35 | 5 | | | 0 | 85 | 13 | | CO | SA |
| JG785 | OSC | *5.0 | | | 1G | 28 | 50 | 10 | | | 55 | 95 | 3 | | CO | SA |
| S323 | GOS | 4.0 | 6.0 | FX | | 13 | 150 | 10 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| FS-30S | GOS | 4.2 | 5.8 | VT | 16H | 15 | 350 | 20 | | | 0 | 60 | 19 | | CO | FR |
| WJ2805-6 | OSC | 4.0 | 6.0 | | | 15 | 200 | 20 | | | | | 4 | 6.0 | CO | WJ |
| FS-9R | OSC | 4.0 | 6.0 | MC | 1% | 28 | | 25 | | | 0 | 60 | 2 | | CO | FR |
| S325 | GOS | 4.0 | 6.0 | FX | | 13 | 200 | 30 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S327 | GOS | 4.0 | 6.0 | FX | | 13 | 240 | 60 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S329 | GOS | 4.0 | 6.0 | FX | | 13 | 480 | 120 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S331 | GOS | 4.0 | 6.0 | FX | | 50 | 500 | H1W | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S333 | GOS | 4.0 | 6.0 | FX | | 50 | 25H | H5W | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S335 | GOS | 4.0 | 6.0 | FX | | 50 | 35H | H10W | | | 30 | 80 | 1 | 2.5 | CO | RC |
| EL-108A | CSO | 5.0 | 5.4 | MC | 400 | 24 | | 10 | | | 0 | 50 | 6 | | CO | GR |
| FS-1R | OSC | 4.0 | 6.5 | MC | 12% | 20 | 125 | 4 | | | 0 | 60 | 2 | | CO | FR |
| FS-53 | OSC | 4.5 | 6.0 | VT | 10% | 26 | 200 | 10 | | | 0 | 60 | 11 | | CO | FR |
| FS-14F | OSC | 4.9 | 5.6 | VT | 600 | 60 | 300 | 125 | | | 10 | 70 | 5 | | CO | FR |
| S285 | GOS | *5.6 | | FX | | 14 | 150 | 125 | | | | | 1 | 2.5 | | RC |
| OE65CM | GOS | 5.4 | 5.9 | MC | 500 | 6 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| AF054 | OSC | 5.4 | 5.9 | MC | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP054 | OSX | 5.4 | 5.9 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| EL-109M | CSO | 5.4 | 5.9 | MC | 500 | 24 | | 10 | | | 0 | 50 | 6 | | CO | GR |
| MS(C)-52 | OSC | 5.4 | 5.9 | MC | | 20 | | 10 | | | 30 | 60 | 6 | 17.0 | | FS |
| AF054H | OSC | 5.4 | 5.9 | | | 20 | 300 | 50 | | | 30 | 60 | 9 | | CO | AT |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT #PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| AP054H | OSX | 5.4 | 5.9 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| FS-143 | OSC | 5.4 | 6.0 | VT | 600 | 60 | 300 | 100 | | | 10 | 70 | 5 | | CO | FR |
| FS-37L | CSO | 4.0 | 7.5 | MC | 500 | 24 | 80 | 10 | | | 30 | 71 | 4 | | CO | FR |
| FS-220C | OSX | 4.5 | 7.0 | | | 28 | | 500 | | | 0 | 60 | 30 | | CO | FR |
| OF80EB | OSC | 5.0 | 6.6 | VT | | -24 | 150 | 20 | | | | | <2 | 4.0 | CO | IS |
| MSCA540 | GOS | <5.9 | 6.1 | | | 20 | 400 | 50 | | | 30 | 60 | | | WG | FS |
| C31C20M | ADO | 5.5 | 6.5 | MC | | 100 | 25 | 100 | | | 55 | 71 | 1 | 1.5 | | SP |
| 4245 | OSX | *6.0 | | | | 28 | 250 | 200 | | | | | 18 | | CO | ZL |
| 4255 | OSX | *6.0 | | | | 28 | 250 | 200 | | | 20 | 65 | 24 | | CO | ZL |
| C31C25M | ADO | 5.5 | 6.5 | MC | | 100 | 70 | 250 | | | 55 | 71 | 1 | 1.5 | | SP |
| DG-700-C | OSC | 4.0 | 8.0 | | | 28 | 500 | 1200 | | | 55 | 75 | <5 | | CO | SA |
| DG-760-C | OSX | 4.0 | 8.0 | FX | | 28 | | 3W | | | 54 | 85 | | | CO | SA |
| EY-121A | OSX | 5.0 | 7.2 | | | 28 | | 5 | | | 0 | 50 | 35 | | CO | GR |
| EY-107A | OSX | 5.0 | 7.2 | | | 28 | | 100 | | | 0 | 50 | 46 | | CO | GR |
| AF058 | OSC | >5.8 | >6.4 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP058 | OSX | >5.8 | >6.4 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| MS(C)-54 | OSC | >5.8 | >6.4 | MC | | 20 | | 10 | | | 30 | 60 | 6 | 17.0 | | FS |
| AF058H | OSC | >5.8 | >6.4 | | | 20 | 300 | 50 | | | 30 | 60 | | | CO | AT |
| AP058H | OSX | >5.8 | >6.4 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| EL-110A | CSO | 5.9 | 6.4 | MC | 500 | 24 | | 10 | | | 0 | 50 | 6 | | CO | GR |
| MS(C)540 | OSC | 5.9 | 6.4 | MC | | 20 | 400 | 50 | | | 30 | 60 | 30 | 30.0 | | FS |
| MLT5.9 | OSC | 5.9 | 6.5 | | | 20 | 2A | 500 | | | | | 172 | | CO | RH |
| MSCB540 | GOS | 6.1 | <6.4 | | | 20 | 400 | 50 | | | 30 | 60 | | | WG | FS |
| MS(C)560 | OSC | >6.3 | >6.8 | MC | | 20 | 400 | 50 | | | 30 | 60 | 30 | 30.0 | | FS |
| EL-111A | CSO | 6.4 | 6.9 | MC | 500 | 24 | | 10 | | | 0 | 50 | 6 | | CO | GR |
| OF67CM | GOS | 6.4 | 6.9 | MC | 500 | 6 | 650 | 25 | | | 30 | 70 | | 3.5 | CO | IS |
| AP064 | OSX | >6.4 | >6.9 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| MS(C)-56 | OSC | >6.4 | >6.9 | MC | | 20 | | 10 | | | 30 | 60 | 6 | 17.0 | | FS |
| AF064 | OSC | >6.4 | >6.9 | | | 20 | 150 | 50 | | | 30 | 60 | 9 | | CO | AT |
| AF064H | OSC | >6.4 | >6.9 | | | 20 | 300 | 50 | | | 30 | 60 | 9 | | CO | AT |
| AP064H | OSX | >6.4 | >6.9 | MC | | 20 | 400 | 50 | | | 30 | 60 | 39 | | CO | AT |
| FS-307 | GOS | 5.8 | 8.0 | VT | 22H | 15 | 350 | 20 | | | 0 | 60 | 19 | | CO | FR |
| AF068 | OSC | 6.8 | 7.2 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP068 | OSX | 6.8 | 7.2 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| MS(C)-58 | OSC | 6.8 | 7.2 | MC | | 20 | | 10 | | | 30 | 60 | 6 | 17.0 | | FS |
| S324 | GOS | 6.0 | 8.0 | FX | | 13 | 150 | 10 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| WJ2806-8 | OSC | 6.0 | 8.0 | | | 15 | 200 | 20 | | | | | 4 | 6.0 | CO | WJ |
| S326 | GOS | 6.0 | 8.0 | FX | | 13 | 200 | 30 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S328 | GOS | 6.0 | 8.0 | FX | | 13 | 240 | 60 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S330 | GOS | 6.0 | 8.0 | FX | | 13 | 480 | 120 | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S332 | GOS | 6.0 | 8.0 | FX | | 50 | 500 | 41W | | | 30 | 80 | 1 | 2.5 | CO | RC |
| S334 | GOS | 6.0 | 8.0 | FX | | 50 | 25H | 45W | | | 30 | 80 | 1 | 2.5 | CO | RC |
| EL-112A | CSO | 6.9 | 7.4 | MC | 500 | 24 | | 10 | | | 0 | 50 | 6 | | CO | GR |
| SWA-7075-5 | GOS | 7.0 | 7.5 | MC | 500 | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-7075-10 | GOS | 7.0 | 7.5 | MC | 500 | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-7075-15 | GOS | 7.0 | 7.5 | MC | 500 | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-7075-20 | GOS | 7.0 | 7.5 | MC | 500 | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| MS(C)-60 | OSC | 7.0 | >7.5 | MC | | 20 | | 5 | | | 30 | 60 | 6 | 17.0 | | FS |
| AF070 | OSC | 7.0 | >7.5 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP070 | OSX | 7.0 | >7.5 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| 453 | GOS | 7.0 | 8.0 | MC | | 8 | 350 | 5 | | | | | 7 | 8.0 | WG | AK |
| 4009 | CSO | 5.0 | 10.0 | | 2% | 28 | 125 | 10 | | | | | 7 | | CO | ZL |
| OH75CM | GOS | 7.5 | 8.0 | MC | 500 | 6 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| MS(C)-62 | OSC | 7.5 | 8.0 | MC | | 20 | | 5 | | | 30 | 60 | 6 | 17.0 | | FS |
| AF075 | OSC | 7.5 | 8.0 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| AP075 | OSX | 7.5 | 8.0 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| 4214 | OSX | 5.5 | 10.0 | | | 28 | 225 | 10 | | | 20 | 65 | 11 | 11.0 | CO | ZL |
| MLT7.1 | OSC | 7.1 | 8.4 | | | 20 | 2A | 300 | | | | | 172 | | CO | RH |
| SWA-7580-5 | GOS | 7.5 | 8.0 | MC | 500 | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-7580-10 | GOS | 7.5 | 8.0 | MC | 500 | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-7580-20 | GOS | 7.5 | 8.0 | MC | 500 | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| FS-18 | OSC | 4.8 | 11.0 | VT | 500 | 24 | | 3 | | | 0 | 60 | 3 | | CO | FR |
| EY-122A | OSX | 7.2 | 8.6 | | | 28 | | 5 | | | 0 | 50 | 35 | | CO | GR |
| FS-52 | GOS | 4.8 | 11.0 | VT | 12% | 15 | 350 | 10 | | | 0 | 60 | 2 | | CO | FR |
| EY-108A | OSX | 7.2 | 8.6 | | | 28 | | 100 | | | 0 | 50 | 46 | | CO | GR |
| FS-51 | GOS | 5.0 | 11.0 | MC | 12% | 12 | 350 | 5 | | | 0 | 60 | 2 | | CO | FR |
| FS-17R | OSC | 5.0 | 11.0 | MC | 1% | 28 | | 10 | | | 0 | 60 | 3 | | CO | FR |
| C35X35F | ADD | 7.0 | 9.0 | FX | | 100 | 400 | 2000 | | | 0 | 80 | 3 | 4.0 | | SP |
| GO-1 | GOS | *8.2 | | FX | | 12 | 500 | 50 | | | | | | | | SK |
| MS(X)-64 | OSC | <8.0 | 8.5 | MC | | 20 | 300 | 5 | | | 30 | 60 | <6 | 17.0 | | FS |
| AF079 | OSC | <8.0 | 8.5 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP079 | OSX | <8.0 | 8.5 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| SWA-8085-5 | GOS | 8.0 | 8.5 | MC | 500 | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8085-10 | GOS | 8.0 | 8.5 | MC | 500 | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8085-15 | GOS | 8.0 | 8.5 | MC | 500 | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8085-20 | GOS | 8.0 | 8.5 | MC | 500 | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| FS-220D | OSX | 7.0 | 9.6 | | | 28 | | 250 | | | 0 | 60 | 30 | | CO | FR |
| 28790 SERIES | OSC | 4.8 | 12.0 | VT | | | | 10 | | | | | | | CO | OS |
| FS-293 | OSX | 6.0 | 11.0 | | | 28 | | 2 | | | 0 | 60 | 58 | | CO | FR |
| AXO-85 | OSX | *8.5 | | | | 28 | 140 | 3 | | | 35 | 90 | | | CO | AT |
| FS-22 | OSX | 6.0 | 11.0 | | | 28 | | 5 | | | 0 | 60 | 13 | | CO | FR |
| FS-24 | OSC | 7.0 | 10.0 | VT | 500 | 60 | 300 | 40 | | | 10 | 70 | | | CO | FR |
| S262 | GOS | *8.7 | | FX | | -10 | 160 | 20 | 20 | 10 | | | <1 | 1.0 | | RC |
| S272 | GOS | *8.7 | | MC | 200 | -10 | 160 | 20 | 20 | 10 | | | 1 | 3.0 | | RC |
| S283 | GOS | *8.7 | | MC | 200 | -10 | 510 | 100 | 20 | 10 | | | <1 | 3.0 | | RC |
| S291 | GOS | *8.7 | | MC | 200 | -10 | 550 | 100 | | | | | 1 | 4.0 | | RC |
| OI75CM | GOS | 8.5 | 9.0 | MC | 500 | 6 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| LO-100 SERIES | OSC | 3.5 | 14.0 | | | 25 | 500 | 25 | | | 0 | 60 | 25 | 24.0 | CO | AP |
| FS-24R | OSC | 7.0 | 10.5 | MC | 1% | 40 | | 100 | | | 0 | 60 | 7 | | CO | FR |
| C31X20M | ADD | 8.5 | 9.0 | MC | | 100 | 25 | 100 | | | 55 | 71 | 1 | 1.5 | | SP |
| C31X25M | ADD | 8.5 | 9.0 | MC | | 100 | 70 | 250 | | | 55 | 71 | 1 | 1.5 | | SP |
| FS-37H | CSO | 7.5 | 10.4 | MC | 600 | 24 | 80 | 5 | | | 30 | 71 | 4 | | CO | FR |
| GFO(X)-104 | GOS | 8.2 | 9.7 | | | 12 | 600 | 10 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| GOX-100 | GOS | 8.2 | 9.7 | | | 12 | 600 | 10 | | | 30 | 60 | | 4.0 | WG | FS |
| GFO(X)-114 | GOS | 8.2 | 9.7 | | | 12 | 600 | 25 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| SWA-8595-5 | GOS | 8.5 | 9.5 | MC | 1K | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8595-10 | GOS | 8.5 | 9.5 | MC | 1K | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8595-15 | GOS | 8.5 | 9.5 | MC | 1K | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-8595-20 | GOS | 8.5 | 9.5 | MC | 1K | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| S278 | GOS | 8.0 | 10.0 | VT | 270 | -10 | 150 | 1 | | | | | 1 | 3.0 | | RC |
| DG789 | OSC | *9.0 | | | 1G | 28 | 50 | 5 | | | 55 | 95 | 11 | | CO | SA |
| S279 | GOS | 8.0 | 10.0 | VT | 450 | -10 | 150 | 5 | | | | | 5 | 6.0 | | RC |
| 429 | OSC | 8.0 | 10.0 | VT | 400 | 28 | 100 | 5 | | | | | | | | AK |
| S301 | GOS | 8.0 | 10.0 | FX | | 10 | 120 | 10 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| MJ5008-3 | YTO | 7.0 | 11.0 | YT | | 9 | 800 | 10 | | | 0 | 65 | <9 | 34.0 | CO | MJ |
| VSX9500A | IPO | *8.0 | 10.0 | FX | | 90 | 30 | 25 | | | 20 | 70 | >1 | 4.0 | WG | VA |
| VSX9500AT | IPO | *8.0 | 10.0 | MC | | 95 | 30 | 25 | | | 20 | 70 | >1 | 4.0 | WG | VA |
| S303 | GOS | 8.0 | 10.0 | FX | | 10 | 120 | 30 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| VSX9500B | IPO | *8.0 | 10.0 | FX | | 90 | 50 | 50 | | | 20 | 70 | >1 | 4.0 | WG | VA |
| VSX9500BT | IPO | *8.0 | 10.0 | MC | | 95 | 50 | 50 | | | 20 | 70 | >1 | 4.0 | WG | VA |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT *PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| S305 | GOS | 8.0 | 10.0 | FX | | 10 | 300 | 60 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| VSX9500C | IPO | *8.0 | 10.0 | FX | | 90 | 60 | 100 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| VSX9500CT | IPO | *8.0 | 10.0 | MC | | 95 | 60 | 100 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| S307 | GOS | 8.0 | 10.0 | FX | | 10 | 600 | 120 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| VSX9500E | IPO | *8.0 | 10.0 | FX | | 90 | 65 | 150 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| VSX9500ET | IPO | *8.0 | 10.0 | MC | | 95 | 65 | 150 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| 4256 | OSX | *9.0 | | | | 28 | 250 | 150 | | | 20 | 65 | 24 | | CO | ZL |
| VSX9500F | IPO | *8.0 | 10.0 | FX | | 90 | 70 | 200 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| 4202 | OSX | *9.0 | | | | 28 | 250 | 200 | | | 20 | 65 | 23 | | CO | ZL |
| DG-700-X | OSC | 8.0 | 10.0 | | | 28 | 500 | 400 | | | 55 | 75 | <5 | | CO | SA |
| DG-760-X | OSX | 8.0 | 10.0 | FX | | 28 | | 500 | | | 54 | 85 | | | CO | SA |
| S319 | GOS | 8.0 | 10.0 | FX | | 20 | 1A | #1W | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S321 | GOS | 8.0 | 10.0 | FX | | 30 | 4A | #5W | | | 30 | 80 | <3 | 2.5 | WG | RC |
| 6900-1900 | GOS | 8.5 | 9.6 | | | 12 | 500 | 3 | | | 20 | 70 | <1 | 2.5 | CO | TR |
| WJ5008-4 | YTO | 8.5 | 9.6 | YT | | 9 | 800 | 20 | | | 0 | 65 | <9 | 34.0 | CO | WJ |
| 438 | OSC | 8.5 | 9.7 | VT | 400 | | | 10 | | | | | | | | AK |
| 444 | OSC | 8.5 | 9.7 | VT | 400 | | | 10 | | | | | | | | AK |
| FS-308 | GOS | 8.2 | 10.0 | VT | 18H | 15 | 350 | 20 | | | 0 | 60 | 19 | | CO | FR |
| C31X20V | ADO | 9.0 | 9.3 | ME | | 100 | 35 | 100 | | | 55 | 71 | 1 | 2.0 | | SP |
| C31X23V | ADO | 9.0 | 9.3 | ME | | 100 | 70 | 200 | | | 55 | 71 | 1 | 2.0 | | SP |
| MA-8012A-XF09 | GOS | 9.0 | 9.5 | VT | 50 | 12 | 250 | 2 | | | 40 | 85 | 10 | | WG | MA |
| SSX-8 | OSC | 8.0 | 10.5 | VT | 400 | 18 | 80 | 4 | | | 20 | 60 | 6 | 4.0 | WG | GC |
| FS-54 | OSC | 7.5 | 11.0 | VT | 10% | 26 | 200 | 5 | | | 0 | 60 | 11 | | CO | FR |
| OJ25CM | GOS | 9.0 | 9.5 | MC | 500 | 6 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| 433 | OSC | 8.5 | 10.0 | VT | 350 | 28 | 140 | 10 | | | | | | | | AK |
| DG782 | OSC | *<9.3 | | VT | 500 | 18 | 40 | 5 | | | 55 | 75 | <6 | 3.0 | CO | SA |
| EY-123A | OSX | 8.6 | 10.0 | | | 28 | | 5 | | | 0 | 50 | 35 | | CO | GR |
| EY-109A | OSX | 8.6 | 10.0 | | | 28 | | 100 | | | 0 | 50 | 46 | | CO | GR |
| C31X20V-1 | ADO | 9.3 | 9.5 | ME | | 100 | 35 | 100 | | | +15 | 27 | 1 | 2.0 | | SP |
| FS-210 | IPO | 6.5 | 12.4 | MC | 4G | -95 | 40 | 3 | | | 0 | 60 | 22 | | CO | FR |
| AXO-95 | OSX | *9.5 | | | | 28 | 140 | 3 | | | 35 | 90 | | | CO | AT |
| S229 | GOS | 9.0 | 10.0 | FX | | 10 | 250 | 12 | | | | | <2 | 6.0 | | RC |
| FS-18W | OSC | 8.5 | 11.0 | VT | 11H | 24 | | 1 | | | 0 | 60 | 3 | | CO | FR |
| GOX-101 | GOS | 9.1 | 10.6 | | | 12 | 600 | 10 | | | 30 | 60 | | 4.0 | WG | FS |
| GFO(X)-105 | GOS | 9.1 | 10.6 | | | 12 | 600 | 10 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| GOX-111 | GOS | 9.1 | 10.6 | | | 12 | 600 | 25 | | | 30 | 60 | | 4.0 | WG | FS |
| GFO(X)-115 | GOS | 9.1 | 10.6 | | | 12 | 600 | 25 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| S293 | IPO | *10.0 | | VT | 600 | -9 | 210 | 10 | | | 40 | 75 | 3 | 8.0 | CO | RC |
| SWA-95105-5 | GOS | 9.5 | 10.5 | MC | 1K | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-95105-10 | GOS | 9.5 | 10.5 | MC | 1K | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-95105-15 | GOS | 9.5 | 10.5 | MC | 1K | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-95105-20 | GOS | 9.5 | 10.5 | MC | 1K | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| OK05CM | GOS | 9.8 | 10.3 | MC | 500 | 6 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| FS-329 | OSX | 9.6 | 10.5 | | | 28 | | 100 | | | 0 | 60 | 70 | | CO | FR |
| EL-126 | GOS | 8.2 | 12.0 | MC | 38H | 15 | 200 | 5 | | | 0 | 45 | 29 | | CO | GR |
| ELH-101 | GOS | 8.2 | 12.0 | MC | 38H | 28 | 700 | 5 | | | 30 | 50 | 30 | | CO | GR |
| VSX9071 | YTO | 7.9 | 12.4 | | | 17 | 600 | 10 | | | 0 | 50 | | 28.0 | CO | VA |
| FS-40 | ADO | 8.0 | 12.4 | MC | 100 | 95 | 40 | 10 | | | 0 | 60 | 2 | | CO | FR |
| FS-42 | ADO | 8.0 | 12.4 | MC | 10% | 95 | 40 | 10 | | | 0 | 60 | 2 | | CO | FR |
| OX-100 | GOS | 8.0 | 12.4 | VT | | 7 | 450 | 10 | | | | | 31 | 56.0 | CO | PS |
| WJ5008 | YTO | 8.0 | 12.4 | YT | | 9 | 800 | 10 | | | 0 | 65 | <9 | 34.0 | CO | WJ |
| WJ5008-18 | OSC | 8.0 | 12.4 | YT | | -15 | 700 | 10 | | | | | <9 | 36.0 | CO | WJ |
| VSX9070 | YTO | 8.0 | 12.4 | | | 15 | 600 | 10 | | | 0 | 50 | 10 | 28.0 | CO | VA |
| GSMX SERIES | GOS | 8.0 | 12.4 | MC | 500 | 12 | | 25 | | | 54 | 71 | 6 | 3.3 | WG | MM |
| 428 | OSC | 9.5 | 11.0 | VT | 400 | 28 | 100 | 5 | | | | | | | | AK |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR %TUNING RANGE | POWER IN | | MIN. POWER OUT #PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| AVO165B | ADO | 8.2 | 12.4 | | | 10 | 30 | | | | 25 | 50 | 1 | | | AL |
| SYA3200 | ADO | 8.2 | 12.4 | MC | 250 | -50 | 25 | 10 | | | 30 | 71 | 2 | | WG | AI |
| SYA3201 | ADO | 8.2 | 12.4 | MC | 250 | -70 | 25 | 10 | | | 30 | 71 | <1 | | CO | AI |
| SYA3200A | ADO | 8.2 | 12.4 | MC | 250 | -50 | 25 | 25 | | | 30 | 71 | 2 | | WG | AI |
| SYA3201A | ADO | 8.2 | 12.4 | MC | 250 | -70 | 25 | 25 | | | 30 | 71 | <1 | | CO | AI |
| SYA3200B | ADO | 8.2 | 12.4 | MC | 250 | -50 | 25 | 50 | | | 30 | 71 | 2 | | WG | AI |
| SYA3201B | ADO | 8.2 | 12.4 | MC | 250 | -70 | 25 | 50 | | | 30 | 71 | <1 | | CO | AI |
| ADC-10A | IPO | 8.2 | 12.4 | MC | 500 | 95 | 40 | 60 | | | 30 | 70 | | | CO | OK |
| ADS-10A | IPO | 8.2 | 12.4 | MC | 500 | 95 | 40 | 60 | | | 30 | 70 | | | WG | OK |
| ADW-10A | IPO | 8.2 | 12.4 | MC | 500 | 95 | 40 | 60 | | | 30 | 70 | | | WG | OK |
| ADC-10B | IPO | 8.2 | 12.4 | MC | 500 | 95 | 40 | 100 | | | 30 | 70 | | | CO | OK |
| ADS-10B | IPO | 8.2 | 12.4 | MC | 500 | 95 | 40 | 100 | | | 30 | 70 | | | WG | OK |
| ADW-10B | IPO | 8.2 | 12.4 | MC | 500 | 95 | 40 | 100 | | | 30 | 70 | | | WG | OK |
| SYA3205 | ADO | 8.2 | 12.4 | MC | 250 | 110 | 60 | 100 | | | 30 | 71 | | | CO | AI |
| SYA-3206 | ADO | 8.2 | 12.4 | MC | 250 | 110 | 60 | 100 | | | 30 | 71 | <1 | 1.0 | WG | AI |
| VX2020 SERIES | GOS | 8.2 | 12.4 | MC | 20% | 12 | 750 | 100 | | | 40 | 80 | 3 | 3.0 | WG | MA |
| ADC-10C | IPO | 8.2 | 12.4 | MC | 500 | 95 | 40 | 150 | | | 30 | 70 | | | CO | OK |
| ADS-10C | IPO | 8.2 | 12.4 | MC | 500 | 95 | 40 | 150 | | | 30 | 70 | | | WG | OK |
| ADW-10C | IPO | 8.2 | 12.4 | MC | 500 | 95 | 40 | 150 | | | 30 | 70 | | | WG | OK |
| AD-10 SERIES | IPO | 8.2 | 12.4 | MC | 250 | -95 | 40 | 250 | | | 30 | 70 | 2 | 6.0 | | OK |
| ADC-10D | IPO | 8.2 | 12.4 | MC | 500 | 95 | 40 | 250 | | | 30 | 70 | | | CO | OK |
| ADS-10D | IPO | 8.2 | 12.4 | MC | 500 | 95 | 40 | 250 | | | 30 | 70 | | | WG | OK |
| ADW-10D | IPO | 8.2 | 12.4 | MC | 500 | 95 | 40 | 250 | | | 30 | 70 | | | WG | OK |
| SYA3205A | ADO | 8.2 | 12.4 | MC | 100 | 110 | 80 | 250 | | | 30 | 71 | | | CO | AI |
| SYA-3206A | ADO | 8.2 | 12.4 | MC | 100 | 110 | 80 | 250 | | | 30 | 71 | <1 | 1.0 | WG | AI |
| SYA3205B | ADO | 8.2 | 12.4 | MC | 75 | 110 | 120 | 500 | | | 30 | 71 | | | CO | AI |
| SYA-3206B | ADO | 8.2 | 12.4 | MC | 75 | 110 | 120 | 500 | | | 30 | 71 | <1 | 1.0 | WG | AI |
| OK45CM | GOS | 10.2 | 10.7 | MC | 500 | | | 20 | | | 30 | 70 | | 3.5 | CO | IS |
| FS-24M | OSC | 10.0 | 11.0 | VT | 400 | 60 | 300 | 25 | | | 10 | 70 | | | CO | FR |
| S289 | IPO*10.5 | | | | | 10 | 120 | 25 | | | 30 | 80 | 2 | 2.5 | WG | RC |
| GOX1200 | GOS*10.5 | | | MC | 100 | 12 | 400 | 50 | | | 30 | 60 | <2 | <2.0 | CO | FS |
| VX1717SP | GOS*10.5 | | | MC | 1% | 12 | | 50 | | | 20 | 38 | 3 | 3.0 | WG | MA |
| SYA-3220 | ADO*10.5 | | | | | 120 | 60 | 100 | | | 30 | 71 | 1 | 4.0 | WG | AI |
| MA49750 | GOS>10.5* | | | | | 9 | 500 | 50 | | | 30 | 70 | 3 | | WG | MA |
| GFO(X)-106 | GOS | 10.0 | 11.5 | | | 12 | 600 | 10 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| GFO(X)-116 | GOS | 10.0 | 11.5 | | | 12 | 600 | 25 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| APO105 | OSX>10.6>11.2 | | | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| MS(X)74 | OSC>10.6>11.2 | | | | | 20 | 300 | 10 | | | 30 | 60 | 10 | 21.0 | | FS |
| GOX-102 | GOS | 10.2 | 11.7 | | | 12 | 600 | 10 | | | 30 | 60 | | 4.0 | WG | FS |
| GOX-112 | GOS | 10.2 | 11.7 | | | 12 | 600 | 25 | | | 30 | 60 | <1 | 4.0 | WG | FS |
| SWA-105115-5 | GOS | 10.5 | 11.5 | MC | 1K | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-105115-10 | GOS | 10.5 | 11.5 | MC | 1K | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-105115-15 | GOS | 10.5 | 11.5 | MC | 1K | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-105115-20 | GOS | 10.5 | 11.5 | MC | 1K | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| S302 | GOS | 10.0 | 12.0 | FX | | 10 | 120 | 10 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S304 | GOS | 10.0 | 12.0 | FX | | 10 | 120 | 30 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S306 | GOS | 10.0 | 12.0 | FX | | 10 | 300 | 60 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S308 | GOS | 10.0 | 12.0 | FX | | 10 | 600 | 120 | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S320 | GOS | 10.0 | 12.0 | FX | | 20 | 1A | #1W | | | 30 | 80 | <3 | 2.5 | WG | RC |
| S322 | GOS | 10.0 | 12.0 | FX | | 30 | 4A | #5W | | | 30 | 80 | <3 | 2.5 | WG | RC |
| VSX9501A | IPO*10.0 | 12.4 | FX | | | 95 | 30 | 25 | | | 20 | 70 | >1 | 4.0 | WG | VA |
| VSX9501B | IPO*10.0 | 12.4 | FX | | | 95 | 50 | 50 | | | 20 | 70 | >1 | 4.0 | WG | VA |
| VSX9501C | IPO*10.0 | 12.4 | FX | | | 95 | 60 | 100 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| VSX9501E | IPO*10.0 | 12.4 | FX | | | 95 | 65 | 150 | | | 20 | 50 | >1 | 4.0 | WG | VA |
| VSX9501F | IPO*10.0 | 12.4 | FX | | | 95 | 70 | 200 | | | 20 | 50 | >1 | 4.0 | WG | VA |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT #PULSE *dBm ^mW | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| AF0112 | OSC | 11.2<11.8 | | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP0112 | OSX | 11.2<11.8 | | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| MS(X)-76 | OSC | 11.2<11.8 | | | | 20 | 300 | 10 | | | 30 | 60 | 10 | 21.0 | | FS |
| GOX-103 | GOS | 10.9 | 12.4 | | | 12 | 600 | 10 | | | 30 | 60 | | 4.0 | WG | FS |
| GFO(X)-107 | GOS | 10.9 | 12.4 | | | 12 | 600 | 10 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| GFO(X)-117 | GOS | 10.9 | 12.4 | | | 12 | 600 | 25 | | | 30 | 60 | 3 | 3.0 | WG | FS |
| OL75CM | GOS | 11.5 | 12.0 | MC | 500 | | | 20 | | | 30 | 70 | | 3.5 | CO | IS |
| MA-8010-XF1 SER. | GOS | >10.6<13.2 | | MC | | -20 | 125 | 1 | | | 30 | 55 | 31 | 18.0 | WG | MA |
| MA-8012-XF2 SER. | GOS | >10.6<13.2 | | ME | | -20 | 125 | 1 | | | 30 | 55 | 31 | 20.0 | WG | MA |
| MS(X)78 | OSC | >11.6>12.2 | | | | 20 | 300 | 5 | | | 30 | 60 | 10 | 21.0 | | FS |
| AF0116 | OSC | >11.6>12.2 | | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP0116 | OSX | >11.6>12.2 | | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| S294 | IPO | *12.0 | | VT | | -7 | 185 | 10 | | | 54 | 75 | <1 | 1.5 | CO | RC |
| 4257 | OSX | *12.0 | | | | 28 | 250 | 100 | | | 20 | 65 | 24 | | CO | ZL |
| SWA-115125-5 | GOS | 11.5 | 12.5 | MC | 1K | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-115125-10 | GOS | 11.5 | 12.5 | MC | 1K | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-115125-15 | GOS | 11.5 | 12.5 | MC | 1K | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-115125-20 | GOS | 11.5 | 12.5 | MC | 1K | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| MS(K)80 | OSC | >12.1 | 12.7 | | | 20 | 300 | 5 | | | 30 | 60 | 10 | 21.0 | | FS |
| AF0121 | OSC | >12.1 | 12.7 | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP0121 | OSX | >12.1 | 12.7 | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| OM50CM | GOS | 12.2 | 12.7 | MC | 500 | 6 | 650 | 5 | | | 30 | 70 | | 3.5 | CO | IS |
| MS(K)82 | OSC | >12.6>13.2 | | | | 20 | 300 | 5 | | | 30 | 60 | 10 | 21.0 | | FS |
| AF0126 | OSC | >12.6>13.2 | | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP0126 | OSX | >12.6>13.2 | | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| SWA-125135-5 | GOS | 12.5 | 13.5 | MC | 1K | -12 | 120 | *5 | | | 54 | 85 | 8 | | WG | IM |
| SWA-125135-10 | GOS | 12.5 | 13.5 | MC | 1K | -12 | 120 | *10 | | | 54 | 85 | 8 | | WG | IM |
| SWA-125135-15 | GOS | 12.5 | 13.5 | MC | 1K | -12 | 120 | *15 | | | 54 | 85 | 8 | | WG | IM |
| SWA-125135-20 | GOS | 12.5 | 13.5 | MC | 1K | -12 | 120 | *20 | | | 54 | 85 | 8 | | WG | IM |
| 5026-9200 | OSX | 12.0 | 14.0 | | | 28 | | 250 | | | 10 | 70 | 99 | 48.0 | WG | TR |
| SSJ9 SERIES | OSC | 12.4 | 14.0 | VT | 250 | -30 | 80 | <3 | | | 20 | 60 | 6 | 8.0 | WG | GC |
| C31K13V | ADO | 12.5 | 14.0 | ME | | 90 | 20 | 20 | | | 55 | 71 | 1 | 3.0 | | SP |
| AF0131 | OSC | >13.1<13.8 | | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP0131 | OSX | >13.1<13.8 | | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| VSJ9502A | IPO | *12.4 | 15.0 | FX | | 70 | 40 | 25 | | | 20 | 70 | 1 | 4.0 | WG | VA |
| VSJ9502AT | IPO | *12.4 | 15.0 | MC | | 70 | 40 | 25 | | | 20 | 70 | 1 | 4.0 | WG | VA |
| VSJ9502B | IPO | *12.4 | 15.0 | FX | | 70 | 45 | 50 | | | 20 | 70 | 1 | 4.0 | WG | VA |
| VSJ9502BT | IPO | *12.4 | 15.0 | MC | | 70 | 45 | 50 | | | 20 | 70 | 1 | 4.0 | WG | VA |
| VSJ9502C | IPO | *12.4 | 15.0 | FX | | 70 | 50 | 100 | | | 20 | 50 | 1 | 4.0 | WG | VA |
| VSJ9502CT | IPO | *12.4 | 15.0 | MC | | 70 | 60 | 100 | | | 20 | 50 | 1 | 4.0 | WG | VA |
| VSJ9502E | IPO | *12.4 | 15.0 | FX | | 70 | 70 | 150 | | | 20 | 50 | 1 | 4.0 | WG | VA |
| VSJ9502F | IPO | *12.4 | 15.0 | FX | | 70 | 80 | 200 | | | 20 | 50 | 1 | 4.0 | WG | VA |
| AF0136 | OSC | >13.6>14.2 | | | | 20 | 150 | 10 | | | 30 | 60 | 9 | | CO | AT |
| AP0136 | OSX | >13.6>14.2 | | MC | | 20 | 300 | 10 | | | 30 | 60 | 39 | | CO | AT |
| WJ5041-4 | YTO | 10.0 | 18.0 | YT | | 9 | 800 | 3 | | | 0 | 65 | <9 | 34.0 | CO | WJ |
| 4216 | OSX | 10.0 | 18.0 | | | 28 | 225 | 10 | | | 20 | 65 | 16 | 14.0 | CO | ZL |
| FS-55 | OSC | 14.0 | 16.0 | VT | 2% | 26 | 200 | 5 | | | 0 | 60 | 11 | | CO | FR |
| FS-49 | OSX | 12.4 | 18.0 | | | 28 | | 2 | | | 0 | 60 | 19 | | WG | FR |
| VSJ9075 | YTO | 12.3 | 18.1 | | | 15 | 700 | 5 | | | 0 | 50 | | 28.0 | CO | VA |
| VSJ9076 | YTO | 12.3 | 18.1 | | | 15 | 700 | 5 | | | 0 | 50 | | 28.0 | CO | VA |
| WJ5041-8 | OSC | 12.4 | 18.0 | YT | OCT | -15 | 700 | 5 | | | | | <9 | 36.0 | CO | WJ |
| WJ5041 | YTO | 12.4 | 18.0 | YT | | 9 | 800 | 7 | | | 0 | 65 | <9 | 34.0 | CO | WJ |
| FS-251 | GOS | 12.4 | 18.0 | MC | 1% | 12 | 350 | 10 | | | 0 | 60 | 2 | | WG | FR |
| FS-330 | OSX | 12.4 | 18.0 | | | 28 | | 25 | | | 0 | 60 | 35 | | WG | FR |
| GSMY SERIES | GOS | 12.4 | 19.0 | MC | 500 | 10 | | 25 | | | 54 | 71 | 3 | 2.8 | WG | MM |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT #PULSE *dBm | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| VJ1414A SERIES | GOS | 12.4 | 18.0 | MC | 100 | 8 | 500 | 25 | | | 54 | 70 | 2 | 3.0 | WG | MA |
| VJ1717B SERIES | GOS | 12.4 | 18.0 | MC | 100 | 8 | 800 | 50 | | | 54 | 70 | 2 | 3.0 | WG | MA |
| VJ2020C SERIES | GOS | 12.4 | 18.0 | MC | 100 | 8 | 12H | 100 | | | 54 | 70 | 2 | 3.0 | WG | MA |
| MA-86K10 | OSX | 15.3 | 15.6 | | | 20 | 300 | <2 | | | 54 | 79 | 38 | 30.0 | WG | MA |
| 5025-2901 | OSX | 15.5 | 15.8 | | | 28 | 600 | 100 | | | 20 | 70 | 44 | 40.0 | WG | TR |
| FS-48R | CSO | 15.5 | 16.5 | MC | 300 | 24 | 80 | 5 | | | 30 | 71 | <13 | | WG | FR |
| WJ5041-5 | YTO | 15.5 | 16.5 | YT | | 9 | 800 | 20 | | | 0 | 65 | <9 | 34.0 | CO | WJ |
| FS-35 | OSC | 15.0 | 17.0 | VT | 500 | 60 | 300 | 25 | | | 10 | 70 | 6 | | CO | FR |
| MA-8012-ZF02 | GOS | 15.9 | 16.5 | VT | 40 | 7 | 350 | 2 | | | 40 | 85 | 4 | | WG | MA |
| 5024-9200 | OSX | 16.0 | 16.5 | | | 28 | 400 | #20 | | | 20 | 70 | 33 | 32.0 | CO | TR |
| FS-48 | OSC | 15.0 | 18.0 | VT | 1K | 28 | | 10 | | | 0 | 60 | <12 | | CO | FR |
| VSJ9503A | IPO | *15.0 | 18.0 | FX | | 90 | 40 | 25 | | | 20 | 70 | 1 | 4.0 | WG | VA |
| VSJ9503AT | IPO | *15.0 | 18.0 | MC | | 70 | 30 | 25 | | | 20 | 70 | 1 | 4.0 | WG | VA |
| 5000-9200 | OSX | *16.5 | | | | 28 | 550 | 50 | | | 10 | 40 | 98 | 92.0 | WG | TR |
| VSJ9503B | IPO | *15.0 | 18.0 | FX | | 90 | 50 | 50 | | | 20 | 50 | 1 | 4.0 | WG | VA |
| VSJ9503BT | IPO | *15.0 | 18.0 | MC | | 70 | 50 | 50 | | | 20 | 50 | 1 | 4.0 | WG | VA |
| 4258 | OSX | *18.0 | | | | 28 | 250 | 50 | | | 20 | 65 | 24 | | CO | ZL |
| SYG2030 | ADO | 18.0 | 24.8 | MC | 60 | 120 | 80 | 40 | | | 30 | 71 | 9 | 8.0 | WG | AI |
| SYG2030A | ADO | 18.0 | 24.8 | MC | 60 | 120 | 80 | 100 | | | 30 | 71 | 9 | 8.0 | WG | AI |
| GSMK SERIES | GOS | 18.0 | 26.5 | MC | 500 | 7 | | 15 | | | 54 | 71 | 1 | 1.8 | WG | MM |
| SYG2035 | ADO | 26.0 | 37.2 | MC | 90 | 120 | 80 | 40 | | | 30 | 71 | 9 | 8.0 | WG | AI |
| SYG2035A | ADO | 26.0 | 37.2 | MC | 90 | 120 | 80 | 100 | | | 30 | 71 | 9 | 8.0 | WG | AI |

| TYPE NUMBER | DEVICE TYPE | FREQUENCY | | TUNING METHOD | BANDWIDTH OR TUNING RANGE | POWER IN | | MIN. POWER OUT | MIN. GAIN | MAX. NF | OPERATING TEMPERATURE | | VOLUME | WEIGHT | COUPLING | MANUFACTURER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CENTER OR MIN. GHz | MAX. GHz | | MHz | V | mA | *dBm mW | dB | dB | -°C | +°C | IN.$^3$ | Oz. | | |
| EX-104 | MJL | 0.5 | 0.8 | | 10% | | | 5 | | | | | 2 | | CO | GR |
| EX-105 | MJL | 0.8 | 1.2 | | 8% | | | 5 | | | | | 2 | | CO | GR |
| FS-21M | MJL | <0.5 | 1.8 | | | | | 50 | | | | | 16 | | CO | FR |
| FS-178M | MJL | >1.2 | <1.4 | | | 20 | | 1000 | | | | | 23 | | CO | FR |
| EX-106 | MJL | 1.2 | 1.6 | | 8% | | | 5 | | | | | 2 | | CO | GR |
| EX-112-1 | MJL | 1.2 | 2.0 | | 5% | | | 8W | | | 20 | 75 | 34 | 30.0 | CO | GR |
| EX-107 | MJL | 1.6 | 2.4 | | 8% | | | 100 | | | | | 8 | | CO | GR |
| FM-100-1 | MJL | *2.0 | | | 3% | 28 | 1A | 300 | | | | | 25 | 24.0 | CO | AR |
| FM-100-2 | MJL | *2.0 | | | 3% | 28 | 2A | 1500 | | | | | 24 | 24.0 | CO | AR |
| 6510 | MJL | 2.2 | 2.3 | | 100 | 12 | 200 | *-13 | | | 0 | 50 | 120 | | CO | ZL |
| FS-217 | MJL | *2.6 | | | | | | 500 | | | | | 4 | | CO | FR |
| 271005M | TOM | 2.5 | 3.0 | MC | | -28 | 200 | 1W | | | 30 | 71 | 4 | | | CL |
| EX-108 | MJL | 2.4 | 3.2 | | 5% | | | 100 | | | | | 8 | | CO | GR |
| EX-109 | MJL | 3.2 | 4.8 | | 5% | | | 100 | | | | | 8 | | CO | GR |
| FS-30M | MJL | 2.5 | 6.0 | | | | | 5 | | | | | 11 | | CO | FR |
| VM-4.85/1700-2 | MJL | 4.0 | 5.7 | | | | | 10 | | | | | 162 | 44.0 | CO | AR |
| FS-143 | MJL | 4.6 | 5.2 | | | | | 5 | | | | | 5 | | CO | FR |
| EX-110 | MJL | 4.8 | 6.4 | | 3% | | | 80 | | | | | 6 | | CO | GR |
| VM-6.65/2300-2 | MJL | 5.7 | 8.0 | | | | | 10 | | | | | 75 | 36.0 | CO | AR |
| FS-37M | MJL | 4.0 | 10.4 | | | | | 5 | | | | | 4 | | CO | FR |
| WJ799 | MJL | 2.0 | 12.4 | | | | >1W | 10 | | | 0 | 50 | 10 | 44.0 | CO | WJ |
| 5022-16 | MJL | <7.2 | <7.7 | | | 28 | 600 | *+20 | 40 | | 0 | 60 | 63 | 32.0 | CO | ZL |
| FS-315 | MJL | 7.8 | 7.9 | | | | | 300 | | | | | 58 | | CO | FR |
| EX-111 | MJL | 8.4 | 9.6 | | 3% | | | 80 | | | | | 6 | | CO | GR |
| FS-22M | MJL | 8.0 | 11.0 | | | | | 5 | | | | | 13 | | CO | FR |
| FM-100 | MJL | 3.5 | 14.0 | | 4% | 28 | 650 | 25 | | | | | 25 | 24.0 | CO | AR |
| 5008-9901 | TOM | 8.5 | <9.8 | | | 20 | 350 | 10 | | | 20 | 70 | 49 | 92.0 | CO | TR |
| 5008-9904 | TOM | <9.3 | <9.6 | VT | | 24 | 500 | 50 | | | 0 | 71 | 55 | 48.0 | CO | TR |
| 5054-9901 | TOM | 9.2 | 9.7 | VT | | -30 | 350 | 8 | | | 20 | 70 | 27 | 26.0 | WG | TR |
| FS-275 | MJL | 9.0 | 10.5 | | | | | 40 | | | | | 70 | | CO | FR |
| MA-87K11 | MJL | *13.3 | | | | 28 | 1A | 150 | | | 54 | 71 | 30 | 19.0 | WG | MA |
| 5030-9202 | TOM | 16.1 | 16.4 | | | 30 | 250 | 4 | | | 20 | 70 | 33 | 36.0 | WG | TR |
| 5056-9201 | TOM | 16.0 | 17.0 | VT | | 30 | 350 | 6 | | | 20 | 70 | 58 | 32.0 | WG | TR |
| 5030-9201 | TOM | 16.0 | 17.0 | | | 30 | 250 | 12 | | | 20 | 70 | 33 | 36.0 | CO | TR |
| SYG-2010 SERIES | MJL | 18.0 | 24.8 | FX | 300 | | | 125 | | | 55 | 85 | 3 | 6.0 | WG | AI |
| SYG-2001 SERIES | MJL | 26.0 | 37.2 | FX | 200 | | | 90 | | | 55 | 85 | 3 | 6.0 | WG | AI |

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